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<210> 638

<211> 3947

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (625)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3738)

<223> n equals a,t,g, or c

<400> 638

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<210> 639

<211> 1427

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<400> 639

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ccaggcctct gccggggcag cgactggcgc tactggggcc agcrgggcg gtggcccat 180
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<210> 640

<211> 920

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (910)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (919)

<223> n equals a,t,g, or c

<400> 640

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<210> 641

<211> 1706

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1704)

<223> n equals a,t,g, or c

<400> 641

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<210> 642

<211> 2170

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (811)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2154)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2170)

<223> n equals a,t,g, or c

<400> 642

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ccaacgggtt cagattgggt caacttagca atcaaagaca tcccagagggt tacacatgaa 180
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<210> 643

<211> 1712

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1664)

<223> n equals a,t,g, or c

<400> 643

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<210> 644

<211> 1793

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (790)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1731)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1793)

<223> n equals a,t,g, or c

<400> 644

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<210> 645

<211> 2679

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<400> 645

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tggtccagtt acaatgatga agacatttac ctcttcaact cctctcacag tgatggggcc 240
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cacatgctgt ggttccttat gcatcacctg agacagagac gccatcaccg gcgctggcga 660
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```

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maaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2679

```

<210> 646

<211> 832

<212> DNA

<213> Homo sapiens

<400> 646

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aataaaaata tttcagtagt ctttgcatca gcttaccttg taccagaaac atttccaatt 180
tactatcaaa ttatagtaac tgagcctgtg tgaagtatct catcattttc gaaaggaaca 240
ccttggtgtg tgccagtgag catttctaaa aagggtgtga ggtagaggta aggtgagaga 300
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tcaatatcta tttgttgagc acttattgat taagacctg catatgtctg tccattttga 480
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tgtttcctgt tgtcaaatgc taagtgtgtg ttttgagtc atgaactaaa gcacaaaaag 720
atgcatgaga cattgtagtc atatgtctgg tgtgacactt tggagcaaaa accttgtagt 780
ggtaataaaa aaatttccaa cagggaaaaa aaaaaaaaaa aaaaaaaaaa aa 832

```

<210> 647

<211> 1325

<212> DNA

<213> Homo sapiens

<400> 647

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gcccggagac atcagcggct gcgattatgc tactcactgt tcggcacgga acagtcaggt 180
accgcagttc agcgtgttg gcccgacaa aaaataacat ccaaagatat tttggcacta 240

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acagtgtgat ctgtagcaag aaagataagc agtctgttcg aactgaggag acttccaagg 300
agacttcaga gagccaagac agtgaaaagg aaaatacgaa aaaagacttg ttaggcatta 360
ttaagggcat gaaagttgaa ttaagcacag taaatgtacg aacaacaaag cccccaaaa 420
gaagaccact taaaagtttg gaagctacac ttggcaggct tcgaagagct acagaatatg 480
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aaaaa 1325

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<210> 648

<211> 606

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (572)

<223> n equals a,t,g, or c

<400> 648

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tgacagcttc atgaaactgt ccaccaagat caagcagaga aaataattaa tttcatggga 240
ctaaatgaac taatgaggat aatattttca taatttttta tttgaaattt tgctgattct 300
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gttattgcac aagttcaata aaaatctgct ctttgtatra cagaawamaa aaacattggk 540
tatattacca aaacttttga ctagaatgtc gnatttgagg atataaaccc ataggtaata 600
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<210> 649

<211> 1696

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1047)

<223> n equals a,t,g, or c

<400> 649

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gccatcctga cgaccagttc accaccagca tcctgcggca ctggtgcatg aaacatgacg 360
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<210> 650

<211> 3059

<212> DNA

<213> Homo sapiens

<400> 650

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<210> 651

<211> 1366

<212> DNA

<213> Homo sapiens

<400> 651

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cggactgtgt atttattttac tataatgtta gcttacaagc tgggaatata agtgcattaa 180
cggcccacat gagtcaatgg tatgcaaaaa gtctgtgttc tcccaaataa taatattaat 240
cccacaaata acgacatgat ccccgcccct gttcctttct gttatttttt cttagatata 300

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<210> 652

<211> 1425

<212> DNA

<213> Homo sapiens

<400> 652

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<210> 653

<211> 614

<212> DNA

<213> Homo sapiens

<400> 653

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<210> 654

<211> 2812

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (294)

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<221> misc feature

<222> (2651)

<223> n equals a,t,g, or c

<400> 654

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<210> 655

<211> 1997

<212> DNA

<213> Homo sapiens

<400> 655

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aaaaaaaaa aaaaaaa 1997

<210> 656

<211> 1597

<212> DNA

<213> Homo sapiens

<400> 656

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<210> 657

<211> 372

<212> DNA

<213> Homo sapiens

<400> 657

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<210> 658

<211> 1226

<212> DNA

<213> Homo sapiens

<220>

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<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1220)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1226)

<223> n equals a,t,g, or c

<400> 658

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<210> 659

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<400> 659

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<210> 660

<211> 2549

<212> DNA

<213> Homo sapiens

<400> 660

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2549

<210> 661

<211> 1162

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1155)

<223> n equals a,t,g, or c

<400> 661

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cggcgccgag ggcgacgggc gcctctacgt ggggaacctt ccgaccgacg tgcgcgagaa 180
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gcacggcctc gtgcccttcg ccttcgtgcg cttcgaggac ccccgagatg cagaggatgc 300
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gacttatgga ggtcgggggtg ggtggccccg tggtagggagg aatgggcctc ctacaagaag 420
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gtttagaaat atatttttaa tgtttagtaa aaaaaaaaaa aaaaaaaaaa aaaaaggggg 1140
gccccccaaa ggggnccaag ct 1162

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<210> 662

<211> 1178

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (978)

<223> n equals a,t,g, or c

<400> 662

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gccccgcgcc gccccgccgc ccgccatgga gccccgcccc gacggccccg ccgcctccgg 60
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cctgtcgtcg caggtggagc agctgctcca ccaccggcgc tcgcgctacc aggacatcct 180
cgtcttccgc agtaagacct atggcaacgt gctggtgttg gacgggtgtca tccagtgcac 240
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caaccgcgca aagggtgctga tcatcggggg cggagatgga ggtgtcctgc gggaggtggg 360
gaagcaccgcc tccgtggagt ccgtggtcca gtgtgagatc gacgaggatg tcatccaagt 420
ctccaagaag ttccctgccg gcctggccat tggctactct agctcgaagc tgaccctaca 480
tgtgggtgac ggttttgagt tcatgaaaca gaatcaggat gccttcgacg tgatcatcac 540
tgactcctca gaccccatgg gccccgcgca aagtctcttc aaggagtccct attaccagct 600
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mtyaccaaac acgtgtatatt atwgccaaaa aaaaaaaaaa 1178

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<210> 663
<211> 740
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (546)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (618)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (639)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (652)
<223> n equals a,t,g, or c

<400> 663
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agatacacga aaaaacttcc agaacatctg ggagaatatt taatggaaaa tcgcttggtt 180
aaaacctgac actttttaaca gtgaacagcg ttctgagtgt ggacgagtag ccagtgaaga 240
taatgaatgt cgaatgtgac tgactagcag cttcattttg aatgaggggc gctgtctgcc 300
cattgataga ggccagattg tcttggaagt tccaaagttg caacgatttc tggctagtgc 360
cacgagggtt acttgactgt tgtgtgaaaa gctgataaga aaaccatcca gaaaaaagct 420
cttcgtttta caaacatgaa aataaaacat gtaattttgg attatgttcc tttttgttat 480
tacttttaaa taggtcctga aataacatgg ggagcattaa atggaaaatc cactaaccag 540
cttgntcaa attactgtga gtgaatgttt ccgggtttgt gcaagggtaca tgtaagggtt 600
ttgggtcaat ggtaagantg gagagacaag aattagaant aatgttacta ancaaataca 660
gggatattaa ttttgagta acataatttg aaagcctgga tgctaagttg agaaatgggg 720
gaatgagatc agaaattagg 740

<210> 664
<211> 1670
<212> DNA
<213> Homo sapiens

<400> 664

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caaccctgaa actcgtcctg ttgagaaaaa aataagatca gctcttccta ccaaaaccgt 180
aaagcctgtg gaaaacaaag atgatgatga ctctatagct gattttctca atagtgatga 240
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tcctttatgg agagaaaact tgacattcag atgattgttt ttaaattgtt tacttttggg 720
acagttgata gacatcataa acgatatcaa gcttacactt catatggagt taaacttggt 780
cagtgttaat aaaatcaaaa cgtgattcta ctgtacattg cattattcat aatttaattg 840
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gaaataacca caagattttt cccagcccaa attccagcgc caattttagg ccaactttgg 960
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ttcctgggag tgccagggcc taacaacccc acagagcaga cgctaaaaat gcaagaagg 1560
atggacaagt actagtattg gggggccacag caggrttaaa atagcattac atccactyag 1620
tktgagacag atgaggaaac cctaggagga ggcgctccct aagaggaatg 1670
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<210> 665

<211> 3364

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (643)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (898)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1097)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1470)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1881)

<223> n equals a,t,g, or c

<400> 665

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cggtgcgca gccccggccc cttcagtcct cagcccctgc cccaactccg actcctgcac 180
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<210> 666

<211> 1223

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1205)

<223> n equals a,t,g, or c

<400> 666

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tgtgctgtct cctcttctct tccccaacca aggactgtgc cattactgcc cgtctcaact 180
gtccatgcag gaggacagag ttgcctggwa ctcttaccct tgtccctctc ctaaaggagg 240

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cacaaggaaa ctgaagagac tgaaaaagaa gagagtttgt agctgaaaaa gaatagggat 300
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<210> 667

<211> 1997

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1289)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1951)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1974)

<223> n equals a,t,g, or c

<400> 667

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gtggaggggc ggcttggggc aagcgcgcg cgcagtgca gaagccagcc ccccgcggt 60
gaggtactca aggtgccc aaaggcggtg gtgacctcgc gcgtgcgctg tgcccgcggc 120
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ggagacagag cttaaaatgt gggaccctca caatgatccc aatgctcagg gggatgcctt 720

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```

caagactctc ttcgtggcga gagtgaatta tgacacaaca gaatccaagc tccggagaga 780
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<210> 668

<211> 586

<212> DNA

<213> Homo sapiens

<400> 668

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586

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<210> 669

<211> 1097

<212> DNA

<213> Homo sapiens

<400> 669

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<210> 670

<211> 2900

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2418)

<223> n equals a,t,g, or c

<400> 670

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<210> 671

<211> 987

<212> DNA

<213> Homo sapiens

<400> 671

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<210> 672

<211> 2825

<212> DNA

<213> Homo sapiens

<400> 672

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2825

<210> 673

<211> 1430

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1046)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1409)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1413)

<223> n equals a,t,g, or c

<400> 673

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1430

<210> 674

<211> 1125

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1098)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1120)

<223> n equals a,t,g, or c

<400> 674

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<210> 675

<211> 1077

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 675

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<210> 676

<211> 920

<212> DNA

<213> Homo sapiens

<400> 676

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aaaaaaaaaa aaaaaaaaaa 920
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<210> 677

<211> 1247

<212> DNA

<213> Homo sapiens

<400> 677

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tgagccaccc tggactactg gttcagtaga ggggtgagtc aagcaatatt tgaggacggg 180
atataaacag tatttcttaa agttgtcacc aatttttccc ccgatgaggg cattccagac 240
ccaaattagt cataacagag ccaggacaat aatcacatct cctgattctg agcctgaatg 300
cttccacag gactgcgtcg ctcccaatgc tctgaggtcc attgtggggg aaagttgcca 360
ctgggattcc acctcaaggc ctggggacca agcctccagg attcctcttg agactcctcc 420
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<210> 678

<211> 2667

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2602)

<223> n equals a,t,g, or c

<400> 678

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gatccccggc ctgggggtgag cagagcgacc accgcccggg agcagcgagg cgagacgcac 180
ggtgcgccct atgccccgc gccccaccg ccccgccgc ggagccgaa gcgagcgag 240
agaacgcgcc accgcggggc ccgggtgcag ctagcgaccc tctcgccacc tgcgcgcagc 300
ccgaggtgag cagtgcgcgg cgagcgggag ggcagcgagg cgttcgcggg cccctcctg 360
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gcgcgtgttg caagacgtgc ctgctgatcg tgttcagtaa ggacgagttc cccgaggtgt 480
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tggtggccaa caaaaaagac ctgcgcagcg acgagcatgt ccgcacagag ctggcccgc 780
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```

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accaaggagg accrggttgt tcctgtcaca ttcttagagg aagatgagtg gatacccca 2580
caccagtgac aaaaactttt gncctattat gtactcagtt caattgggtg agaccgaaga 2640
tcttgatttc attcatctgt gtgtctt 2667

```

<210> 679

<211> 952

<212> DNA

<213> Homo sapiens

<400> 679

```

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gccgcgacgc agagagcggg cactccctgg ccgaggggca ggctcctcac ggctccctg 180
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cgctcacag acagttgcgt ccagaggctt ttggaaatca ccgaaggkta agaattcctc 300
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gatagcttgg cttcgtgaa aggggcccag gtggacttca gccagaact gatccgaagc 480
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gaagaacctg gaattagtag aattctagaa gtttacttct aatcatgtcc ctctcaat 660
tatttccgc agtccaggag tgttatgttt tgccactatt attttcagaa tgtgaagatt 720
ttactcttgg cttaattttt ccctccactc agtgctaagg ctgagcctcc agatgctgtt 780
acctcagatt taatcactgg ttgaaactcc gtataatctg tagagcctcc atggctctaa 840
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taaaagcttc attttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 952

```

<210> 680
<211> 2309
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<400> 680

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agccaatttg tctctcttga ggaggcctgg agagaaaact tacacacagc gatgtcgggt 180
gtttgttggg aatctacctg ctgatatcac ggaggatgaa ttcaaaagac tatttgctaa 240
atatggagaa ccaggagaag tttttatcaa caaaggcaaa ggattcggat ttattaagct 300
tgaatctaga gctttggctg aaattgccaa agccgaactg gatgatacac ccatgagagg 360
tagacagctt cgagttcgct ttgccacaca tgctgctgcc ctttctgttc gtaatctttc 420
accttatggt tccaatgaac tggtggaaga agccttttagc caatttggtc ctattgaaag 480
ggctgttgta atagtggatg atcgtggaag atctacaggg aaaggcattg ttgaatttgc 540
ttctaagcca gcagcaagaa aggcatttga acgatgcagt gaagggtgtt tcttactgac 600
gacaactcct cgtccagtca ttgtggaacc acttgaacaa ctagatgatg aagatggctc 660
tcctgaaaaa cttgcccaga agaattccaat gtatcaaaaag gagagagaaa cccctcctcg 720
ttttgcccag catggcacgt ttgagtacga atattctcag cgatggaagt ctttggatga 780
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gatgagacga caggaagaat taagacgcat ggaagaactt cacaatcaag aaatgcagaa 960
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<210> 681
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<400> 681
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caggttattc ctgtcacgtg gggccaaccc tgagctgcgg aacaaagagg gggacacagc 120
atgggaacct gactcccag cgctccgacg tgtggtttgc gcttcaactc aaccgcaagc 180
tccgacttgg ggtgggaaat cgggccatcc gcacagagaa gatcatctgc cgggacgtgg 240
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tgccctgtnc gggccaagct tcaagcaatc c 451

<210> 682
<211> 1298
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1294)
<223> n equals a,t,g, or c

<400> 682
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acaaggcgat gacsttcag gaagcccaag ccttctgggt gcccaascgc ttgcaccatg 1260
aaaaacgctt gacggaaacc gactttactg tgancccc 1298

<210> 683

<211> 859

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (793)

<223> n equals a,t,g, or c

<400> 683

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ggatgagatc ctggtcatgg atgatcagaa caataaacta tcaaaagaac gaaaactcct 120
tgaggagagg attagtgact taacgacaaa tcttgcaaaa gaggaagaaa aggccaaaga 180
tcttaccgaag ctgaaaaaca agcatgaatc tatgatttca gaactggaat gcggctaaag 240
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gaggacctgg actcagagcg ggccgccagg aacaaggctg aaaagcagaa gcgagacctc 540
ggcgaggagc tggaggccct aaagacagag ctggaagaca cactggacag cacagccact 600
cagcaggagc tcagggccaa gagggagcag gaggtgacgg tgctgaagaa ggccctggat 660
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gtggaggagc tcaagcaacg agctggccac agagcgcaca cggggccaga agaattgagag 780
tgcccggcag cancttcgag cggcagaaca aggagctccg gagcaagctc ccacgagatt 840
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<210> 684

<211> 1251

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1249)

<223> n equals a,t,g, or c

<400> 684

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cacgtcttcc cctggatttg cttagtactc agccagtgcc acagtttgaa gattctcatt 1200
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<210> 685

<211> 2600

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (476)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1905)

<223> n equals a,t,g, or c

<400> 685

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ggaaagaccg gaggcagtag ctgcaaagcc cttggaaaca ccctggatgc tgttgagggc 180
caagagatct gtgtggctcc tgggccggct gagtggcagc agccccctt gccccacctc 240
ccccctcccc tacccaaccc tggcctgccc cccccacct caccagctact cagtgggggt 300
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tggctgcagg aagaaacttt ttatttttt aaatcttgac caacagaaac cttttatttt 420
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<210> 686

<211> 4641

<212> DNA

<213> Homo sapiens

<400> 686

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<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<400> 687

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<210> 688

<211> 2751

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<400> 688

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<211> 969

<212> DNA

<213> Homo sapiens

<400> 689

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<210> 690

<211> 979

<212> DNA

<213> Homo sapiens

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<222> (943)

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<222> (969)

<223> n equals a,t,g, or c

<400> 690

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<210> 691

<211> 693

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<400> 691

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<210> 692

<211> 1382

<212> DNA

<213> Homo sapiens

<400> 692

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<210> 693

<211> 3098

<212> DNA

<213> Homo sapiens

<400> 693

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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagg 3098

<210> 694

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<400> 694

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tgtccatcca ggccagcagc tgaaggagcc tcacctgcct cccttctctg agtagcacgg 180
atttraggag aagcagcgaa gatgtccagc gagcctcccc ctcttatcc tgggggcccc 240
acagcccccac ttctggaaga gaaaagtgga gccccgcca cccagggcg ttctcccca 300
gctgtgatgc agccccctcc aggcattgcca ctgccccctg cggacattgg cccccaccc 360
tatgagccgc cgggtcamcc aatgccccag cctgggttya tcccaccama catgagtnca 420
gatgggmact acatgcctcc gggtttttta cccttcttca ggggccccca cccaccttg 480
gggtaatta                                     489
```

<210> 695

<211> 1844

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<400> 695

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gaaattttaa tgacatccta gaggtagaga aaccgtggag atcgcttttc tcagactcac 120
caacttttaa tgggatttca tggggtttg ttgtgctgat agggtaaggg gaggtgctt 180
tctgccttc tccccactcc catctgattt acttaattca gtctcagctg ctgaaatttg 240
gaaaggacca aattgcttta cagttttttt ctttgtgtag tatcttgaaa tcctggaaaa 300
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ttatttatta ccctaagaat gctttgccat aaccacattt aatgggaaaa acggcagtat 420
cacagatgta aattaactca ccagatttac tgggcctgaa ctcatctctt tcttgctata 480
tgatttagca agttctagaa ggtctccaag acaataatta cattggcaca atgtatactt 540
cagtgtcac ccgtaggcaa atctcttttt aaaaaactct ttggtgcaca agtaacacat 600
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aataggggtt aagactgata acaacctttt acattgtgac tgtgtttgca ttgtctaata 900
acagataaat ccttaacatt tctctccacc ttagtacttt agactaattg tgtttgcctg 960
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tccatgccat gaatgagtg gctgtagttg ggcctaaata aatgagctgt tggagaaaa 1020
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tcacctgtg aaacgtccca cactttgaag caaatacaat tcacagcaca gtacacacaa 1440
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actgtttgc tatgactaca ttttgaggtt ttgtaaaact gttatttttt ttttttcac 1740
aatgtgaaac tgaaggtcaa taaattatta gagattttct cttcaaaaaa aaaaaaaaaa 1800
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaggggg gggg 1844

```

<210> 696

<211> 605

<212> DNA

<213> Homo sapiens

<400> 696

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cctgcactac tctgtcaaat taaaaaatat aatagctatc tttattctca ttttaaagca 60
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taggtgagtt atccaatata gcaaaggcca tcaaagagaa agccaatact tcatggaga 180
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tgctagatgc tcctcacccc aaactcctgc aaatttcaag aatttctgtg tatgwtgtg 300
ttaagggagg agttttaaag tatctctgta ttcaacaaga tacgtcagct tgtaagcagc 360
agaaacctac ttaactakc ttacatgaga aaataacatt ataaagacat aggagtgttt 420
ctacaccaag agctggaggt attgtttggt ttcatgaagg gttaaaatct gtaattccaa 480
aagtaggact tcaggcagct gcaccatcaa tctgtgtcct tctctcwggt actgtgggac 540
tctatwcccg tctgacttgc tttggttccc ggggcacatc tcttggcctt gggaaaacac 600
acttt 605

```

<210> 697

<211> 540

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (489)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (534)

<223> n equals a,t,g, or c

<400> 697

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agggcacact agggacctac cgtacaacac ttcagcattg ttaagcactt aaccatttga 60
aaaaacttaa tgaaatgatt aatttttttt ttaattttac tgaaggatgt atnnatagat 120
ttaggagggga tatgagggtg actaaaaagt taaatttttc taatgtgaac ttttatttat 180
gttggttgt atcttacaat ttgtaatttt aaagtcattg taggccaatg raatgtgagc 240
gcctcaagaa tagctattaa gtatcatact aaatttggcg gacgtacaga tctgtgttac 300
aaagaaatgg aaaagtcatt cctgtgtcac ggggatgaaa agcctgctag ccattccaat 360
tgactgagra catcttgcaa agaaccacc ttacttctgc cggtagagcc ttgggcaaat 420
taaagtcatt tcaaatcaat ttagtagtaa gttcccttwt acmaatagtt atgtgtccac 480
acacgtgnng aatgttttat gggaactaat ggaagcgagc aaatcccaga aggnctctctg 540
```

<210> 698

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<400> 698

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ggcagagggg agactcagct gatactgctt ccttgagatt taatacacct tcctttgatc 60
tctcctgtcc ccattatccc aggaaaatcc agagtagctt ccagtccatt ctcatatc 120
cactggatcc aaagtttaga gaggttcccc ttccctccag cctccttccg ggcccaacag 180
aggagcacc caccaccctc catcagctgc tcaaaaccca caagggaata atccctacag 240
gtccatgcc ggaggttagt gagctaccct ncagggttcca ttaagtcata ccagaaggct 300
gagtgtagaa atgaacatta agaggggttc catctgtagg gaaaggggtc aagatgcaaa 360
gctttacaga aggttctccg tctaattgtg aagattaaga gcactgggtg acctaggaag 420
atgaagaatg gagagtgggg aaaccagcag agattttcag gaatgtttta gggggcnttt 480
tcatcgtttc aaagca 496
```

<210> 699

<211> 987

<212> DNA

<213> Homo sapiens

<400> 699

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cgatgaaggc aatgtatcca ggcacattct acttccaatt taaaaaccta tgggaagcca 180
acgatcggaa cgaaacttgg ctgtgcttca ccgtggaagg tataaagcgc cgctcagttg 240
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aaagggtgctt cctctcttgg ttctgcgacg acatactgtc tcctaacaca aagtaccagg 360
tcacctggta cacatcttgg agcccttgcc cagactgtgc aggggaggtg gccgagttcc 420
tggccaggca cagcaacgtg aatctcacca tcttcaccgc ccgcctctac tacttccagt 480
atccatgtta ccaggagggg ctccgcagcc tgagtcagga aggggtcgct gtggagatca 540
tggactatga agattttaaa tattgttggg aaaactttgt gtacaatgat aatgagccat 600
tcaagccttg gaagggatta aaaaccaact ttcgacttct gaaaagaagg ctacgggaga 660
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ctcctggcct cagggccatt ccacagtgtc cccctgcctc accgcttcct cctcgctctt 840
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ccccgttcct ccagcctgcy tgcccctaac ctggcttttc ccatctcccc agcataacca 960
aatcttacta aactcawsct aggtggg 987
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<210> 700

<211> 1675

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1616)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1635)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1659)

<223> n equals a,t,g, or c

<400> 700

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ccgctcagga aagtattact ttacgacaa ctactttgac ctgccaggag ctcttctgtg 360
tgccaggggtg gtggactatt taacaaaact gaacaatggg caaaaaacat ttgatttttg 420
```

gaaggatata gttgctgcta tacaacacaa ttataaaaatg tcagctttta aggaaaactg 480
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tcctaaaact taggaacctt attggatatt ttctattaca gtagttttgt ggttgggatt 1560
cacccggggg ggccacacac tcacacggca cagttcactc tttacacata tggccncggt 1620
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<210> 701

<211> 556

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (502)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (505)

<223> n equals a,t,g, or c

<400> 701

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ttttacccat ccccaaata acagtgtaca cagtgtgttt tttcccctta gtggagttag 120
cagtatgtta gtgagggttag gtgagcatct agatttggtc cacagaaaag ggtgtttcca 180
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caataggcac aggatgtcag tggccacagt tgggtgaagc ctgttcagag tcttctaatt 420
tgaaactgta gtggtgttta gtttataaag ctanaagaag aatctgtgga gggctctggaa 480

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ccaaaacctg tgccag 556

<210> 702

<211> 1138

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1074)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1096)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1138)

<223> n equals a,t,g, or c

<400> 702

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aggccctcac aagtaccaa gccagcacca aaggagtcag ggaaggggtt ggctgagtca 840
agggacccca gagggcacca ggaataaaat cttcttgaa agaaaaaaaa aaaaaaaagg 900
gcggccgctc tagaggatcc aagcttacgt acgcgtgcat gcgacgtcat agctcttcta 960
tagtgtcacc taaattcaat tcaactggcg tcgttttaca acgtcgtgac tgggaaaacc 1020
ctggcgttac ccaacttaat cgccttgca cacatcccc tttcgccagc tggnttaata 1080
gcgaagaggc ccgcancggt tcgcccttc cccacaattg cgccctggaa tgggcgan 1138

<210> 703

<211> 1062

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1044)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1061)

<223> n equals a,t,g, or c

<400> 703

```
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ccatgtgtgt cctgggtgtt ccagcccccac cagagcccgt gccgggagct gacagctttc 120
acgcttaagg cacgtgtgac ctgggtagtc agacaccact tgagcccctg cccacatctg 180
ctggtttggg gcttcagtgg ggagctgaca gctgtgagca caccactgtc ccctcatcca 240
cctcggcctg catggggcac ccacttcctt ctgggtgggg cttccatggg aagggggcct 300
gcgtccctgc aactgcgag gactgccttg cacaggccca ctccctacga cacgtgactc 360
gttttagagc tctgtcccag aggcgttcgt atgtgaccca cagatggcgt caatgtgaac 420
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cttccaagat gaaaacaaaa gaaaaactta aaacagaagg tattaacaaa acaagagatt 540
cccaccatta tttagggttca cctgcaraac aaaaatctta ctccarcccc tcaatgccat 600
cctgacacac tttatgcaaa aagaattttc ccagataggc tagccagaaa aaacttcaag 660
tcctctgtaa catctgaggt gaccaagagg cagaagagca gagcagtcgg gggccgtgtc 720
ctggctgac ccaactgcag ctctgtgtgt ggggcccgtg ggagggaggc agacccttg 780
gctttcctgc tggccacgga gactctgtc ctgcatggaa agggagcctg ggagccagca 840
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tgaccacaac acaccctgct gccatccact tctgtttact ctgcaaagt aagaaagaac 960
cacttgGCCa gaagtgtccc ccagatgstt tttttttttt tttttgggag acagttttgc 1020
yyttgyttcc cggytgaggt gcantggcat ggatctaact nt 1062
```

<210> 704

<211> 865

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (685)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (831)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (847)

<223> n equals a,t,g, or c

<400> 704

```
gagagaacta gtctcgagtt tgtttctctt atatgcccac cattttttca tatatatatg 60
atttgatttt atatacacat atgtatacat attatatata aatatatatg tgtatacata 120
```

```

tatgtgtgta tatctatgaa tcaaacatac tgtttctggt ggagatgggt cagaattata 180
aagattatct gaatctttat ctgtgagcag tctccaagka agaagttgmr aggtgaagcc 240
tttgactgct gtcattgtctg aggtcattcc aaggacatgg gagactgctg tccatgggtg 300
gatcctctta acatcagcag agttctgtca agttacttag ctttcaactgg ggcagctcta 360
gcattccatt aattcaaaat gktgtcctta atataagcct ctamcattta aaataaaaaat 420
tttaaagtga tccattaagg gaataattac atattgaatt cctaagaaat aagaattatt 480
tggtgtggtt tttctagata gaataaacac aagagctgga ctatattaac tgttgtatac 540
acttttttaa ctggcatttt yagttacttg tgatttttcc aggaaaaata aaaatgaatt 600
aaagtggaa acgtggacttc taattgggtt tgtcttttga ttacatttga ccatcaacaa 660
tgatgtaagc cttggataga atgtngcccc tcagtgtccc acttaaattt cttggtaaac 720
ctttggtgta tacacttcat tgtgcttttt ggaatgactc taaaagccca taaactaatg 780
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gtcctgnatg taaatagggg gtttt 865

```

<210> 705

<211> 1383

<212> DNA

<213> Homo sapiens

<400> 705

```

gctgtggagc ggctgccggc gtttcggggc gcgcctcggc tgccctgccg gcggtctccg 60
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taatgaagag cagaaagaat ttcaaaaagt ggcttttgac tttgctgccc gagagatggc 180
tccaaatatg gcagagwggg accagaagca tgtgtgcctg gatgattgat agcttcggaa 240
atgaggaaca gaggcacaaa ttttgcccac cgctctgtac catggagaag tttgcttcc 300
actgcctcac tgaaccagga agtgggagtg atgctgccts tcttctgacc tccgctaaga 360
aacagggaga tcattacatc ctcaatggct ccaaggcctt catcagtggg gctggtgagt 420
cagacatcta tgtggtcatt tgccgaacag gaggaccagg cccaagggc atctcatgca 480
tagttgttga gaaggggacc cctggcctca gctttggcaa gaaggagaaa aaggtgggt 540
ggaactccca gccaacacga gctgtgatct tcgaagactg tgctgtccct gtggccaaca 600
gaattgggag cgagggggcag ggcttcctca ttgccgtgag aggactgaac ggagggagga 660
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acctcaatgt ccggaagcag tttggagagc ctctggccag taaccagtac ttgcaattca 780
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atcagtagct ctatattgat tatcagccag atggcctaaa agatacctgt ctcaatatta 1320
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aaa 1383

```

<210> 706

<211> 1155

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<400> 706

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agaggaggaa caagaagatg aggaagaaat cgatgttggt tctgtggaaa agaggcaggc 120
tcctggcaaa aggtcagagt ctggatcacc ttctgctgga ggccacagca aacctcctca 180
cagcccactg gtcctcaaga ggtgccacgt ctccacacat cagcacaact acgcagcgcc 240
tccctccact cggaaggact atcctgctgc caagagggtc aagttggaca gtgtcagagt 300
cctgagacag atcagcaaca accgaaaatg caccagcccc aggtcctcgg acaccgagga 360
gaatgtcaag aggcgaacac acaacgtctt ggagcgccag aggaggaacg agctaaaacg 420
gagctttttt gccctgctg accagatccc ggagttggaa aacaatgaaa aggcccccaa 480
ggtagttatc cttaaaaaag ccacagcata catcctgtcc gtccaagcag aggagcaaaa 540
gctcatttct gaagaggact tggtgcggaa acgacgagaa cagttgaaac acaaacttga 600
acagctacgg aactcttggt cgtaaggaaa agtaaggaaa acgattcctt ctaacagaaa 660
tgtcctgagc aatcacctat gaacttggtt caaatgcatg atcaaatgca acctcacaac 720
cttggtctgag tcttgagact gaaagattta gccataatgt aaactgcctc aaattggact 780
ttgggcataa aagaactttt ttatgcttac catctttttt ttttctttaa cagatttgta 840
tttaagaatt gtttttaaaa aattttaaga ttacacaat gtttctctgt aaatattgcc 900
attaaatgta aataacttta ataaaacgtt tatagcagtt acacagaatt tcaatcctag 960
tatatagtag ctagtattat aggtactata aaccctaatt ttttttattt aagtacattt 1020
tgctttttta agttgatttt tttctattgt ttttagaaaa aataaaaataa ctggcaaata 1080
tatcattgag ccmaatctta aaaaaaaaaa aaaaaagggtc gagccggccg gctaattagt 1140
agtagtaggc gccgc 1155
```

<210> 707

<211> 1417

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1399)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1404)

<223> n equals a,t,g, or c

<400> 707

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tgagaccctg tctcaataat aataataata ataataatag taataatgaa gtaaatggga 60
taaggaaaga argataatta tcttttaaagg ttgattccca ccctccctcc ccagttactt 120
aaggaaactaa gtgagtacat ctccagttgc ccatgaaagc ataagtttgt tttcctcagc 180
tgaggcaagt ggtagagtat acaggataac gaagtaacat gtaaaaaggca ggacgcacat 240
aaagggtgtac atggctattg tttcacctgg agaaaccaca tgattgggac ctgaagggtt 300
actgactgac tacaggggct gattgtgaag cacgaggaac cccatgtgtg tggagactgt 360
agggtgagag cacacaatta ttagcatcat ttctgagtga tctcacagat tttttttctt 420
gtgtttgttt tgctttttga caactgcttc tcccacgttc cttgcaattc tattctctca 480
ccttcacttt actatttgta ttcgatggac caggataatt caggcaaggc taccttgtaa 540
acttgaattg gccacacacc atgttgctac ccagctggct atgaagtga taatgggtact 600
gaaagtaaac ctgaagacct ttctcagatc tattttaagt ctgagtctga ccaacatagg 660
aaaatattcg acatgaatta atgtagagaa ctataaagca tttatgacag ctccaagaaa 720
aatcatctac tctatgcagg agatatgttt agagacctct cagaaaaact tgcctgggtt 780
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aagtcagctg cagaacaatg gggctgawtc ytctgctttt tctctgaaa atctttcatt 1140
gcttttggtg gaaatttacc tagaggttac aaccacagga tgtagcttgg tctcttattt 1200
gccttttttg gaaaccaatt aagattaata caggataaag gaaaaaagca atctattcat 1260
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cattttggaa ttcttttcta ataggaacaa ccaaaaaagg gcttcttatg ggtgcagncg 1380
ggaaaaaagg tncattttnt tggnttgcac tcttaac 1417
```

<210> 708

<211> 948

<212> DNA

<213> Homo sapiens

<400> 708

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tattaatgta ttacttaaag gaactgattt tttaaaattg gattgaatca tggaaacatt 180
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tgactcaaaa tcaattacat taagattagt ttttttgtyt tgggtttttt ttttaagwact 300
ttgtgcttta aatataagkg aaaatactgk atttactttt gtgtgcttcc atctgaacta 360
aagtttccca tggygcttac cgagttaggt ctggctctgg gagaggagtg gacagcagct 420
ggttgagata catccccatc tggagacagg actgccactg acagaagatg tgagctgtgt 480
ctaagtccag tcttgtgccc agccgtgtct gcgccttcac tctttggaac tctgcataca 540
acatcttagc accatcttcc tgcagctctt ccttacctaa ataaagaaac agcccaaggg 600
cagtatttct aaaagcactg taacagcttt tcattttctc cacatatact acaaattcta 660
taaagaaaga aattaattta aaaaaactaa gatgtttttt tcttctgggt tcataaatgc 720
cttgctgtat aaattgaaat attgatactg aactgtcttt ttaatgatga cctaacttta 780
ttcaacccat cggaatttac tttttccctg aaataagatc ttttccactg gtctactacc 840
tgaccataaa catgtctgca tttgaattct ctaaacccta aatctgtgtc tatgaaaaat 900
acaaatgact attaaatatt attctcttta ctgttctctt tcaccgaa 948
```

<210> 709

<211> 1329

<212> DNA

<213> Homo sapiens

<400> 709

```
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gtgtcacggc ccaccctgtc gccagcttca tcatgccctc atgcctcatg ggaaagggtg 180
acgttcctca gtcagtggga ttgtggccac tgtgtttgga gcaacaggat tcctggggcg 240
atatgttgct aaccaccttg gacgcatggg gtcacaggta atcataccct atcgggtgtga 300
taaatatgac atcatgcacc ttcgtcccat gggtgacctg ggccagcttc tgtttctgga 360
atgggacgcg agagataaag attctatccg acgagtagta caacacagca atgtgggtcat 420
caatcttatt ggacgagact gggaaaccaa aaactttgat tttgaggatg tttttgtgaa 480
gattcccaa gcaattgctc aactgtccaa ggaagctgga gttgaaaaat tcattcatgt 540
ttcacatctg aatgcgaata ttaaaagctc ttctagatat ttgagaaata aggctgttgg 600
agagaaagta gtgagagatg catttccgga agccattatc gtaaagccgt cggacatctt 660
tggaagagag gatagattcc ttaattcttt tgcaagtatg catcggtttg gtcctatacc 720
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gcgtcttttg ggtcggccca tgtggtttga gcaccagcc aggcgggtctc tttagaggat 1260
cctgtacaca gttccactat taaaacatth caggttgaaa aaaaaaaaaa aaaraaaaaa 1320
raaaaaaaaaa                                     1329
```

<210> 710

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (529)

<223> n equals a,t,g, or c

<400> 710

```
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tttacctggt ctttggtttg tgggtgtgtg atgggtgtgag tgtggtgttt tgtcttgagg 120
aagcatgggt caggcacaaa gtaagcccac cccaccagga actatgttga aaaatttcaa 180
gaaaggattt ragggagatt acggtgttac tatgacacca ggaaaactta ggactttgtg 240
tgaaatagac tggccagcat tagaggtggg ttggccatca gaaggaagcm trgacaggtc 300
ccttggttca aaggtatggc acaaggtaac ctgtaagcca gggtgcccag accagttccy 360
gtacatagac acttggttac agctggtttt agrcccttcc tccccccacg gtggttgaga 420
gaacagcagc ataagcagct ggcagaggca aggaaagacc agcaaagaga cagagaagaa 480
agagacagga aaagaggcaa agagagagaa gaagagagag aggaagagnc agag 534
```

<210> 711

<211> 1143

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1110)

<223> n equals a,t,g, or c

<400> 711

```
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ctccaggctc cagaaacctc cttagccttt tgtggtaact ttggtccggc ggcggggggc 180
cggtagcagc gaactggagg gaggcggtgg ggaaaccgtg gatccgtccg gctgaggggtg 240
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gccccaaagg aggggcggcg tscmcatggt tacccttctg tgcgcgggtc aagtagcttc 480
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gagcaggcag ttctctctat tctgaggctc ctgcggctgc cgcgctgact tccctgtgtg 660
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ttgaacagga agctggacgc tgcagctgga actagcgtgc caagttattt atgattccat 780
ctgatataca taggagagaa actgatagaa gaattctgat ggcaactgta tgatagaagc 840
tatataaagt caagtgtcca ttttctttca actatatttg agcataccca ggrrtttaagt 900
cgtggaactg aacattttatt tggtgatcc tcatcatgaa ccgtgctttt agcaggaaga 960
aagacaaaac atggrrtgcwt acacctgaag ctttatcaaa acatttcwtt ccctataatg 1020
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ctgtaaggaa actaaagttt gcaagacatn tcaagaaatc tgaaggccaa aaaaaaaaaa 1140
aag 1143
```

<210> 712

<211> 3779

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3758)

<223> n equals a,t,g, or c

<400> 712

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tottattcgt gtatttcctt tgacacttta cccctctatg aagcctcaga ggtgttttaa 60
aattgtgtta ggaaacacac agagataaga aaaggcaa at ggtcctgatc tagtgtctca 120
gggaagagtc tggaaaggaa acgcggcgra gtgggktggg agagggggcy tgtggttttg 180
cttctgtccg ggctraagac tgagtaaggt agggcccctc cttctgcgga tgggtttctc 240
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cacagataac gaccatcaga gattaaagaa ggaaagtca gagccttga cacaggcgctc 360
ccgtgtggaa atgtccaagg agaccgccag aagtgcgcaa gccggagtcg gctagagttt 420
ccttctcacc gagaggggga gcccgcggtt cccggccggg agcgaccccg agtccccagc 480
cccgcgctcc agctgccgcc agcgccagtt ttggattcgg cggattagga agaggaggga 540
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tggtggcgta ragaaacttt ccctctcggc ctcggagacg gcgccccggm cgtgcyggag 660
tggmratcgc caggctcgga ggaaccggca gctctccacg cccctgcccg aagcctgacc 720
cgactgcctc tctcagtga ttatttatga ttccatctga tatacatagg agagaaactg 780
atagaagaat tctgatggca actgtatgat agaagctata taaagtcaag tgtccatttt 840
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ctgaagcttt atcaaaacat ttcattccct ataatgcaa gtttcttggc agtacagaag 1020
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gaaaagatgt tgaacaaga aaacagatcg cagggttaca aaaaagaatc caagacttag 1440
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ctcaagtatc agcacctcca gcaggcagta tgacacctaa gtcgccctcc actgacatct 1560
ttgatatgat tccattttct ccaatatcac accagtcttc gatgcctact cgcaatggca 1620
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tcgaccggtt agacagtagg tgctgacatc aagaacaaga aatcctgatt catgttaa at 1860
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<211> 1036

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<211> 4443

<212> DNA

<213> Homo sapiens

<400> 714

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<211> 2099

<212> DNA

<213> Homo sapiens

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<400> 715

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<211> 574

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (537)

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<222> (547)

<223> n equals a,t,g, or c

<400> 716

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<211> 847

<212> DNA

<213> Homo sapiens

<400> 717

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<210> 718

<211> 2086

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1913)

<223> n equals a,t,g, or c

<400> 718

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<210> 719

<211> 2418

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

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<222> (2393)

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<221> misc feature

<222> (2401)

<223> n equals a,t,g, or c

<400> 719

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<210> 720

<211> 2541

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (1149)

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<220>

<221> misc feature

<222> (1209)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (2527)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (2538)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2540)

<223> n equals a,t,g, or c

<400> 720

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2541

<210> 721

<211> 2171

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1996)

<223> n equals a,t,g, or c

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<210> 722

<211> 1888

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (787)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1875)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (1878)

<223> n equals a,t,g, or c

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aaaaaaaaa aaccncngg ggggcccc 1888
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<210> 723

<211> 980

<212> DNA

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<222> (968)

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<220>

<221> misc feature

<222> (972)

<223> n equals a,t,g, or c

<400> 723

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<210> 724

<211> 1812

<212> DNA

<213> Homo sapiens

<400> 724

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aaaaaaaaaa aa 1812

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<210> 725

<211> 974

<212> DNA

<213> Homo sapiens

<400> 725

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<210> 727

<211> 2004

<212> DNA

<213> Homo sapiens

<400> 727

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<211> 1470

<212> DNA

<213> Homo sapiens

<400> 728

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<210> 729

<211> 1755

<212> DNA

<213> Homo sapiens

<400> 729

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<211> 437

<212> DNA

<213> Homo sapiens

<400> 730

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<210> 731

<211> 3663

<212> DNA

<213> Homo sapiens

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<222> (3648)

<223> n equals a,t,g, or c

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<211> 2017

<212> DNA

<213> Homo sapiens

<400> 732

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2017

<210> 733

<211> 2004
<212> DNA
<213> Homo sapiens

<220>
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 <223> n equals a,t,g, or c

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 <222> (1117)
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<400> 735

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tccgacgaga gaggcggcga cgggtggcgtc tgcgacggga gacagcgctg cggagcgaga 180
gagcgctgctg cctgcccgcg ccccaacagc ggagcgccg ccgccatcgg tcgtcaccag 240
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<210> 736
<211> 1099
<212> DNA
<213> Homo sapiens

<400> 736

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cggacagccc cgctactggg gaacagtggg tgtccaaagt cgtcactttc cacaactga 240
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atggccgaag agaaaaaaga aaacagctca ccctgcagtc catgagggtg tttgatgaaa 600
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cggccgcaag cttattccc 1099
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<210> 737
<211> 3219
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature

<222> (3212)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3215)

<223> n equals a,t,g, or c

<400> 737

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<210> 738

<211> 849

<212> DNA

<213> Homo sapiens

<400> 738

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aaaaaagtc 849

<210> 739

<211> 2069

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2046)

<223> n equals a,t,g, or c

<400> 739

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<210> 740

<211> 1567

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (1532)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1548)

<223> n equals a,t,g, or c

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<210> 741

<211> 2829

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1523)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1728)

<223> n equals a,t,g, or c

<400> 741

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gtcaaaaagag caggaatcag ctctccagga ggctcttttg tctggggccg aggggatgag 240
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acagctggga gaacagctga agcagctggt gcctgcaagc ggcctcacag tcatggatct 360
ggaagctgag ggcacgtggt tgcgggttcag ccctttgatg accgcagcag ttttaggaac 420
tcggggagag gatgtggatc agctcgtagc ctgcatagaa agcaaactgc cagtgtgtgtg 480
ctgtacgctc cagttgctgt aagagttcaa gcaggaagtg gaagcaacag caggctctcct 540
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tgataagagc agtttgaaat cagatcccgga aggggaaaac atccatgctg gactcctgaa 660
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<210> 742

<211> 926

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<400> 742

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ctaggggaga agcccgggtt ggggctggtt tccggcctat gctgccctcc cagggggctc 180
cacagcggcc tctcagcacc ttctcccctg cccccaaggc cacactgac ckaaactcca 240
taggcagcct cagcaagctc cggccccagc ccctcacctt ctcccctagt tggggtggac 300
caaagagcct gcctgttccc gccccacctg gggaaatggg gaccacgcct tctgctccac 360
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aagccccact gactccact ggaaatcgac gtggccgtcc tcggaagtac ccagtgaagc 540
ctcccatggc tccccctgca gttgggggcg gggagccctg tgcagctcct tgttgctgcc 600
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tgagtagaca cagcagcgag caaataggct tgataaatam ccccttccc ttcctcccc 840
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gaccctggtg gccaaagacag aagaga 926
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<210> 743

<211> 1017

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (599)

<223> n equals a,t,g, or c

<400> 743

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actctgccta caaaactctc ttagacaggt gaatatgcc a tagaagtta ggttgctggt 180
agacctgggg gtccctgcgg gaggggtgatg gtttctttac caccacacag gagatttcag 240
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gcactaccct gtttgctgta agagaaaaca aagcacctgt tagtagggag gctttagggg 480
gaagccccgt cttgggggca tttctgggca gattgtgaat tggaggaatc tctttaactg 540
aagtactctg gctggaccct gcccttgtgt gaccatgtct cctattgcac cagcatttng 600
aattccatgg ctcaagaggg ttctggtacc atttattcac agactgtatc ctcgagagag 660
ctgctatata tgggagtgt a ccagccaact cttttccag tgtctgtaag tcacctcatt 720
aaagtataat tagctgtctc ctctgggaga tcctacccca tcagacaagg gcagtgaagc 780
caagcagtg cagaggccct cagaaaggga ttagggtaga tgattgcaac tgaaacacaa 840
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tcttctttct ttgccagggt attttggggg ttttgcccca aaatataccc tgggcatagc 900
attactgcag tcttgatgt ctaccccaaa cttccacacc atccttcgac ccacagctgc 960
acctttatatt atttattttg ctccagcctg ggggacagag tgagacttcg tctcggg 1017

<210> 744

<211> 361

<212> DNA

<213> Homo sapiens

<400> 744

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cggagaaaagg cgaggctttc gggctctgca gagtgcaggt tagcaagtgt ccggctccag 120
ccggcatgga ggatccacag agtaaagagc ctgccggcga ggccgtggct ctgcgctgc 180
tggagtcgcc gcggccggag ggcggggagg agccgccgcg tcccagtcgc gaggaaactc 240
aacagtgtaa atttgatggc caggagacaa aaggatccaa gttcattacc tccagtgcga 300
gtgacttcag tgaccgggtt taaaagaga ttgccattac gaatggctgt attaatagaa 360
t 361

<210> 745

<211> 1936

<212> DNA

<213> Homo sapiens

<400> 745

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taatcagaaa ctacataagg aatgttatat aggcttgtca gttcccattt ttcttgacaa 120
caataaatac cacttttaaa aatgacacat atttaaacc ttagaaaata aagttaaacac 180
ttactgaagt gctagtacta aactgtgcta gtactaaaag aaaacagggt ggaacatata 240
tatagcctag catttataac agaattgttg aacgysygya aatgattttt tttttttttt 300
gcaaaggaaa aaattgatac tggaaaagat tggtgtgcat agttattagt catTTgtaac 360
cttgcttaag tatttcttag tccaacatag atattttctt tctcctgacc atgtatttta 420
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aaggcatgca tattctaaag aattaaatgc taacttaaca gcactggcctt tctggctggg 1740
caactatatg aaaccttggt cattcctccg agtactgtaa tgttcacact tgtacaatct 1800
tccctgtcat gactttaagt tctacttttc attaacatg gcctgatatt agttcttaga 1860
gcttcttggt gcaaaaataa aatgatttaa ttctgaaaaa aaaaaaaaaa aaaaaaaaaa 1920
ctcgagacta gttctc                                     1936

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<210> 746

<211> 1619

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1567)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1568)

<223> n equals a,t,g, or c

<400> 746

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tccgagtctc gcgcgctgcg ggcccgctcc gacgcggaag atctgactgc agccatgagc 180
agcaatgagt gcttcaagtg tggacgatct ggccactggg cccgggaatg tcctactggg 240
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caggaggatg gcctgctata actgcggtag aggtggccac attgccaagg actgcaagga 420
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gaattgcaga gaaatgcatt ttcacagaaa tcaagatggt atttttgtat actatatcac 1440
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tgaagtccta gaaaatagaa atgtaatttt aaactattcc aataaagctg gagggaggaag 1560
ggganannaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaagg 1619

<210> 747
<211> 492
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<400> 747
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ggcctccaat cggcacctyc tccaggctcg tgggcatcac ctgcattgtt aatgstacca 420
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gccccattgg nt 492

<210> 748
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (598)
<223> n equals a,t,g, or c

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gcgggaagaa gaaggaggag ctgctgaaac agctggacga cctgaagggt gagctgtccc 180
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ccatgcgccg ccggctcaac aagcacgagg agaacctgaa gaccaagaag cagcagcggg 420
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tag 603

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<210> 749

<211> 2045

<212> DNA

<213> Homo sapiens

<400> 749

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actctctttg tgggcaacct tgaaacgaaa gtgaccgagg agctcctttt cgagcttttc 180
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cagtttgctt ttgtgaattt caaacatgaa gtgtctgttc cttatgcaat gaatctactt 300
aatggaatca aactttatgg aaggcctatc aaaattcaat ttagatcagg aagtagtcat 360
gccccacaag atgtcagttt gtcatatccc caacatcatg ttggaaattc aagccctacc 420
tccacatctc ctacgcgagg tacgaaagga ctatggataa catgacttca tcagcacaga 480
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<210> 750

<211> 1144
<212> DNA
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>
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<222> (1137)
<223> n equals a,t,g, or c

<400> 750
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<210> 751
<211> 1598
<212> DNA
<213> Homo sapiens

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<210> 752
<211> 1485
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1382)
<223> n equals a,t,g, or c

<220>
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<222> (1429)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1436)

<223> n equals a,t,g, or c

<400> 752

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<210> 753

<211> 1756

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1740)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1756)

<223> n equals a,t,g, or c

<400> 753

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<210> 754

<211> 1795

<212> DNA

<213> Homo sapiens

<400> 754

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<210> 755

<211> 1280

<212> DNA

<213> Homo sapiens

<400> 755

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<210> 756

<211> 3665

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3654)

<223> n equals a,t,g, or c

<400> 756

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cccctttccc ctatggctgc tgggtgaaat aaactgcatc tccccattgg taaacagtaa 3600
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agaaa 3665

<210> 757

<211> 1221

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1071)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1081)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1201)

<223> n equals a,t,g, or c

<400> 757

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agttctcgcc accaaagtcc ttggcactgt caaatggttc aacgtcagaa atggatatgg 180
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gaataaccca cggaaatatc tgcgcagtgt aggagatgga gaaactgtag agtttgatgt 300
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ccgtggccct ccccggaatg ctggtgagat tggagagatg aaggatggag tcccagaggg 480
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```
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aataaagcaa aaagcaggcc acaaccttaa ccaacaccaa agaaacatcc aagcaataaa 900
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<210> 758

<211> 631

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (630)

<223> n equals a,t,g, or c

<400> 758

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atgcaagccc gaggttcggt ctcggatcag tccgagaatg tcgaccgggg cgcggtctcc 180
atccgggaag ccggtggggc cttcggaaaag agagagcagg ctgaagagga acgatatttc 240
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gccaccgtgt ccttgtagag cacagagtag agaacaactg gcagctttga aaaaacacca 360
tgaagaagaa atcggttcac ataagaagga gattgagcgt ctgcagaaag aaattgagcg 420
ccataagcag aagatcaaaa tgctaaaaca tgatgattaa gtgcacaccg tgtgccatag 480
aatggcacat gtcattgccc acttctgtgt agacatgggt ctggtttaac taatatttgt 540
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa c 631
```

<210> 759

<211> 2496

<212> DNA

<213> Homo sapiens

<400> 759

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cataaccggt ttgatgctgt gcaatctgca catcgtgctg ccacacgagg cttcattcgt 480
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gtcacgggaa gtcttttttag gataaacgta ggcctgcgtg gcctgggtggc tgggtggcata 660
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<210> 760

<211> 2048

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1957)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1963)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2006)

<223> n equals a,t,g, or c

<400> 760

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gcccagcggg aggatcacca agacagagtc ccttgtcatc ccctccacca ggtccgaggg 240
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acagatcccc aggaagactg tgtatgacca gctcaaccac atcctcatct ccgatgacca 420
gcttcccga aacatcatcc ttgtcaacac ctcggactgg caggggcagt tcctctccga 480
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tgggggccc 2048
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<210> 761

<211> 1757

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1728)

<223> n equals a,t,g, or c

<400> 761

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gtattattgt tatatatata gtaatatgt tgtacatcac aataatatat aattcagct 120
ctagtttccc tagagtcatt ttgaaacca ctgattgcaa acctccctga caatttttaa 180
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aagtagtaag ccacattaca tttatccttg taaaaagatt tatggtaact ggtttccttac 240
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aaatcactgg attgctttat tatattcagg gcaatatgga ttatttttat accaaggatt 360
tgcacgtga attacattaa gttatttggc aattttataat ttattactac tttaaatcaa 420
atgtagcatt atcacactgt atttaaaattg tcatttttta aaggaatatt ttcttcttaa 480
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gggaaggctg gaggcag 1757
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<210> 762

<211> 4448

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (920)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4446)

<223> n equals a,t,g, or c

<400> 762

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acaagcttat gcagttctta aggacgaagg taaatgagat gtaacttaaa aatagtattg 180
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<210> 763

<211> 2890

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<400> 763

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gagcaggacg acgacgacaa gggcgactcc aaggaaacgc ggctgaccct gatggaggaa 660
gtgctcctgc tgggcctcaa ggaccgcgag ggttacacat cattttgaa tgactgtata 720

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<210> 764

<211> 1703

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (860)

<223> n equals a,t,g, or c

<400> 764

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aggcgcctgt ggcccaaggc gat 1703
```

<210> 765

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (156)

<223> n equals a,t,g, or c

<400> 765

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attgcaaagc ttaagtaaaa acaagtctcg accganatcc ttcagatga gagatttggg 180
gacacttctc tctcctgtgt gtagttgata gtttggtggt gaagagatgg ctgacagtgt 240
caaaaccttt ctccaggacc tt 262
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<210> 766

<211> 3072

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3072)

<223> n equals a,t,g, or c

<400> 766

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ttactcattg gaggaacagt accttggtt ggctcttgac gtggacagaa ytaaaaagga 120
csaagaagag gaagaagacc aagccccacc atgccccagg ctcagcaggg agctgctgga 180
ggtagtagag cctgaagtct tgcaggactc actggataga tgttattcaa ctccctccag 240
ttgtcttgaa cagcctgact cctgccagcc ctatggaagt tccttttatg cattggagga 300
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aagaagggga agaagatcaa agaaggaaag aagaagggga agaaaagaag gggaagaaga 420
tcaaaaccca ccatgccccca ggctcagcag ggagctgctg gatgagaaaag ggcctgaagt 480
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ctgttggaatt gttttttaca ttcagtgtta taatmttgt tatgctgatt ggttttggtg 3000
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aaggggggcc cn 3072

```

<210> 767

<211> 1321

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1321)

<223> n equals a,t,g, or c

<400> 767

```

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catcttcgtg gggaacacga cccttatcga cgaggacgtg tatcgctctt ggctcgatgg 180
ttactcggtg accgacgcgg tggccctgcg ggtgcgctcg ggaatcctgg agcagactgg 240
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n 1321

```

<210> 768

<211> 1532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1523)

<223> n equals a,t,g, or c

<400> 768

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ggagggactg attgcagaac cttcttgaca agccacataa atctaaagaa aacgttgtgt 180
gacgtgatcc tcatggcca ggaaagaaag atacctgctc atcgtgtgt tcttgctgca 240
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<210> 769

<211> 2569

<212> DNA

<213> Homo sapiens

<400> 769

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<210> 770

<211> 1637

<212> DNA

<213> Homo sapiens

<400> 770

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aaaaaaaaaa aactcga 1637

```

<210> 771

<211> 2485

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2479)

<223> n equals a,t,g, or c

<400> 771

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cctttgttta ctaccaccaa gctataactc ttgatagctg gtaatgaagt cttccaattt 180
tgttcacctt caagattgtc ttctggcttt tctgatttcc aaataaattg taaaattgat 240
ttgccatttt tcacacacac accccttgct ggtttcttga ttgggattgc attaatgctt 300
ttgatgattt gagaattgac atccttacag tattgagtat tctaacctgt gaatatggta 360
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catagagtgt acttacgcaa atcatgcaaa catcatagag tgtacttaca caaacctaaa 660
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aaaaaaaaaa aaaaaaaang gggggg                                     2485

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<210> 772

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<400> 772

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accgtggggc ctcacagcat tgccctcacct cccgaggata ggacagtcaa agacagcacc 180
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aactacattg agtctccaga tcgagaaacc atcctggacc ccaaccttca ggcaaacatt 300
taagggttcg gcaatcactg tcacccccgg acagcagaac gcttggcatc agcttatctt 360
tagctcctcc ttcttccnct tctccttctt ttcaagagca cttggctctt ccagccccc 420
ggaggaagaa ca                                     432

```

<210> 773

<211> 1048

<212> DNA

<213> Homo sapiens

<400> 773

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gaaaaaatta aaaagaaaaa ttgttttgaa aatgtacaga tcaagtccaa tattttgatt 60
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ttagcagagt accactagta atgcacaaac atgtacaata tggtcattca taaccgattt 180
ttatagaata cttttttacat gtgcaactcc atccgttatg taaggattac atgaatattg 240
cacattccct tctggtttca caaacccatt tatacatatt tcttagtgag gctcattgta 300

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catgtattga agctagaatc gagtcaagaa aaataaaagcc ccatttctcca actgcaaaaat 360
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tctaattgcc aactgtttct atttatatat gatttatatt tcatttggag tctgttacat 480
ggcagcttag gcagactaga tcttgTTTT tcccaatgca gcataatgag tatgatctat 540
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cagtaaaaaa taaaaacaac aagttgtcta aaatgcaaca gcttttatag taaatgtaca 1020
tttataaata aaataactcaa atcaaaaaa 1048

```

<210> 774

<211> 1019

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (971)

<223> n equals a,t,g, or c

<400> 774

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tcagagaatt cctactgccg ggatctacgg ggccagttac gtgccatttg ctgctccagc 120
tacagccacg atcgscacac tacagaagaa cgcggcagcc gcggccgccc tgtatggagg 180
atacgcaggc tacatacctc aggccttccc tgctgctgcc attcaggtcc ccatccccga 240
cgtctaccag acatactgag gctgggtgacc agcacgaaga cagaccacac aaacaccact 300
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atggttcgtg ccttcattcc atcttttaaa aatttgtatg ctgtactaca tttgtataga 540
ggtttttgtt gttgtttttt taaggatata ttttcagtat gaaggttatt ttcttaactt 600
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cawtttttaa atgrgtaaaa ccyctgtatt tcygctggca ttaagggtkg atggtgttac 840
catgtatcat catggcggta ctatttttta aaagaaatta aacactggat ctctccttaa 900
gccaacattg aaaagacttg ccgcacttct gagtccaaac actggaaagc tctcctttgc 960
caccggttagg nggggctcat tctccatgtg ccttagcctt aaacatgccc ccaactccgc 1019

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<210> 775

<211> 2248

<212> DNA

<213> Homo sapiens

<400> 775

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ggggcgcccc cgtaggaagg cacggccggc ggccggcgag cgcagcgatg gccgggagag 60
ggggcagcgc gctgctggct ctgtgcgggg cactggctgc ctgcgggtgg ctccctgggcg 120

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ccgaakccca kgakcccgagg ggcggcgagg cgggcatgag gcggcgagg cggctgcagc 180
aagaggacgg catctccttc gaggaccacc gctaccccgga gctgcgcgag gcgctcgtgt 240
ccgtgtggct gcagtgcacc gccatcagca ggattttacac ggtggggcgc agcttcgagg 300
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acactactta aaagtttagg gttttctctt ggtttagag tggccagaa ttgcattctg 2160
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aaaaaaaaa aaaaaaaaaa aactcgag 2248

<210> 776

<211> 1605

<212> DNA

<213> Homo sapiens

<400> 776

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gggatccttg tggcccttcc ggtcgrtgga accaatccgt gcacagagaa gcggggcgaa 180
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gccaccacca gcctatgagc ctccagcccc tgccccattg cctccaccct cagctccctc 480

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<210> 777

<211> 1808

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1806)

<223> n equals a,t,g, or c

<400> 777

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<210> 778

<211> 1484

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1479)

<223> n equals a,t,g, or c

<400> 778

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gcttgagttt tgattcatca tggataatct gtcacagaa gaaattcaac agagagctca 180
ccagattact gatgagtctc tggaaagtac gaggagaatc ctgggttttag ccattgagtc 240
tcaggatgca ggaatcaaga ccatcactat gctggatgaa caaaaggaac aactaaaccg 300
catagaagaa ggcttggacc aaataaataa ggacatgaga gagacagaga agactttaac 360
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gtctggcaag gcttataaga caacatgggg agatgggtgga gaaaactcac cttgcaatgt 480
agtatctaaa cagccaggcc cggtgacaaa tggtcagctt cagcaaccaa caacrggagc 540
agccagtggg ggatacatta aacgcataac taatgatgcc agagaagatg aaatggaaga 600
gaacctgact caagtgggca gtatcctggg aaatctaaaa gacatggccc tgaacatagg 660
caatgagatt gatgctcaaa atccacaaat aaaacgaatc acagacaagg ctgacaccaa 720
cagagatcgt attgatattg ccaatgccag agcaaagaaa ctcatgaca gctaaagcta 780
ctgctgttct tctttatcat ttattcactt ccgtagctcc tccttgaaag ttattacctt 840
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ccttccttct agtattttct ttctcaattc atacgcttag attggtttct atatgtcatg 1020
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caacgttttt gtttaggcata acagttttgc aacctctgct ccaaagrgaa aaatagratg 1380
agttttcttt cttttttttt ttttngggag tcagagtctc gctcycytgk ccmrggctgg 1440
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<210> 779

<211> 1343

<212> DNA

<213> Homo sapiens

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<400> 779

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gaatgcgtgt gcctccacac gggctctggc atccggactg ataaccagcc ggccagactg 180
agggatggaa ggcaactgaga tgggggcccg tccaggcgga caccgcgaga aatggagctt 240
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atgtcctttt ataaaatgcc ttctccccct tcccgctac agtctcttcc tctccctta 600
gaggggggaa agtgatataa cctacagggt tgtgagctctg aaaagaggat cccctcacc 660
cccaccctgg gcagagcagt gggggttggg ggggtggaga gggggacaca gatcctggca 720
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cgaccgggc atgggatgtg gaggtggcg acacaccctg tgccctctcca aggctgggcg 1140
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tctagccaga agggaggggt agggtagaag aaagttattc ccgaagaaaa aaagaatgaa 1260
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<211> 453

<212> DNA

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 agacactgtc tctacaaaaa aaagggaagga agggacacat atcaaactgn aacaaaatta 180
 gaaatgtaat tatgttctaa gtgcctccaa gttcaaaaact tattngaagt ttgagagttt 240
 ggttacggaa ttcggttngg ggggccaaag gggtgtttta gntttttaat nccggtntnt 300
 ttcgggnaac ccttggggat ttttggggct ccttgtagnn ncccccttt nggagggggg 360
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<210> 781
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aagagagcga gaccctgtct caataaataa ataaataaat aaataaataa ataaataaaa 180
acaaagttga ttaagaaagg aagtataggc caggcacagt ggctcacacc tgtaatcctt 240
gcatttttga aggctgaggc aggaggatca ctttaggcct ggtgtgttca agaccagcct 300
ggtcaacata gtgaggacac tgtctcttac caaaaaaagg agggaaggga cacatttcaa 360
atgaaacaaa ttagaatggt atttatgttc taagtgcctc cagttcaaaa ttttttggat 420
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<210> 782
<211> 541
<212> DNA
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<400> 782

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tcctgcctcc gcctcctgag tagctgggat tataggcaca caccaccacg ccagctaat 180
tttttgtatt tttagtagag acagagtttc accatgttgg ccaggctggt cttggaactc 240
ctggaccttg tggatccacc cacctcggcc tcccagagt ctgggggatta caggggcatga 300
gccaccacgg cttgggctna aggaacacct aanttttatg tttcttgggn tcaaaaacca 360
gtttccattc nnangttgtc ctcacaagan ggttantggt ggtggagaca gcaggggagg 420
gaggggaagag ngtggtttgt aantggttca antcaggcan taagcgattt tagctttaat 480
ttaaagtctt cngtccagnt ttaagcactt ggtaagacag ggctggaagt agcttttcna 540
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<210> 783

<211> 586

<212> DNA

<213> Homo sapiens

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<400> 783

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ccgaagcagg gggacagcaa gggacgctca ggcgggcgac catggcggaac ggcggctcgg 120
agcgggctga cgggcgcata gtcaagatgn aggtggacta cagcgccacg gtggatcagc 180

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gcctacccga gtgtgcgant agccaaggaa ggaagacttc aagaagtcac tgaaaccctt 240
ctctctctgg aaaagcagac tcgtactgct tccgatatgg tatcgacatc ccgtatctta 300
gttgccagta gtggaagatg tgctaatan ggctaaaaga atgggattta anttaatgna 360
aaatgattat gcntttgtcc caaaaggcgg attcagttta aaacaagctg ttgccccaaa 420
tggttncaac atggncgtac nttatgtttg aaggaaantc acagaacntt cccatccaaa 480
cnttngattn aattgataat cccacgaatg ggtttaccga ggccaagatt ttatgttgga 540
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<210> 784

<211> 226

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (208)

<223> n equals a,t,g, or c

<400> 784

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gccagtcctc tactcagcac cgaccgggag gcctccatcg acatcctcca ctccatcgtg 120
aagcgtgaca ttcaggaaaa cgatgaagag gcagtgcagg tcaaagagca gagcatcctg 180
gaactgggat ctctcctggc aaagactnga caagctgcag agctta 226

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<210> 785

<211> 356

<212> DNA

<213> Homo sapiens

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<222> (330)

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<222> (348)

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<400> 785

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gatgtattag ggtgcagcgc tcattgttcc ttgacgcaga gtcccaaat gaatatccaa 120
gagcaggggt tccccttga cctcggagca agtttcaccg aagatgctcc cccganccn 180
agtgcctggt gaggaggag aactggtgtc cacagaccg aggcccgcca gctacagttt 240
ctgctccggg naangtggtg gcattaaagg tgagacttcg acggccactc cgaagcgctc 300
ggntctngac ctggggtatg agcctgaggc agtgcttccc naaccancca taattt 356
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<210> 786

<211> 512

<212> DNA

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ccctctgcag caatggccac cggcggggctg ccacacggac ttccccctgg ggacggcant 180
tccccagcag gacttacccc ggaccctggg tcttgaggga agtgctgagc agcaggggac 240
tgttaccct gccctgccgg tttcctnccg ggtttccatc cccacccggg ggcccaattt 300
acccatnnct ttctngncc ccattcagat gcagccgnaa gttncggnnc gttncattaa 360
ccaagggggt tatgccaacc ggttnctgga tgccaaagga ggcccaagtc aaaggggggn 420
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<210> 787

<211> 339
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gctaaaatcc ttatttgtcc ggaaagttga tccaagaaaa gatgccact ccaatctcct 180
atccaaaaag gaaacaagca atctatacaa attacagttt cacaatgtta aaccggaatg 240
cctagaanca tacaacaaaa tttgtcaaga ggtgttgcca aagattcacg annnataaac 300
actacccttg tacttttggtt gggggacttg gnaacacgt 339

<210> 788
<211> 405
<212> DNA
<213> Homo sapiens

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<222> (388)

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<220>

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<222> (392)

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<222> (397)

<223> n equals a,t,g, or c

<400> 788

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gcgtctgccc tggagcagtt cgtgaacagt gtccgacagc tctcagctca aggtttgtga 120
agttttctat gccagtggt cctgacttcg aaacgctatt ctcacagggt cagctcttca 180
tcagcacttg taatggggag cacattcgat atgcaacaga cacttttgct gggctttgcc 240
atcagctaac aaatgcactt gtggaaagaa aacagcccct gcgaggaatt ggcattccta 300
agcaagccat agacaagatg cagatgaata caaaccagct gacctcaata catgntgatc 360
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<212> DNA

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<222> (450)

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<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (479)
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<220>
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<222> (501)
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<220>
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tccacctctg gggcgcatc caacctcca gcctgcgacc tgcggagaaa aaaaattact 180
tattttcttg cccatacat accttgaggc gagcaaaaaa attaaatttt aaccatgagg 240
gaaatcgtgc acatccaggc tggtcagtgt ggcaaccaga tcggtgccaa gttctgggag 300
gtgatcagt atgaacatgg gcatcgaccc caccgggcac ctaccacggg ggacagcgac 360
ctgccagctg ggaccgcatn ttctgtgtac tgacaatgga agccacaggg ggnaaatgat 420
gtttcctcgt ggccatcctg gtgggatctn agaacctggg naccatggaa tctggttgng 480
ttcaggtccc ttttgggcca ntgttttaga ccagnгаа 518

<210> 790
<211> 386
<212> DNA
<213> Homo sapiens

<400> 790
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cctacagcta tcgccagtcg tcggccacgt cgtccttcgg aggcctgggc ggcggtccg 120
tgcgttttg ggcgggggtc gcttttcgag cgcccagcat tcacgggggc tccggcggcc 180
gcggcgtatc cgtgtcctcc gcccgctttg tgctctcgtc ctctcgggg ggctacggcg 240
gcggctacgg cggcgctctg acccggtccg acgggctgct ggcgggcaac gagaagctaa 300
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cgccaacgg cgagctagag gtgaaa 386

<210> 791
<211> 470
<212> DNA
<213> Homo sapiens

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<222> (324)

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<222> (402)

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<222> (428)

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<400> 791

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ttttgctttg ctggacttct tataggccag actgaagtgg atatcatgag tnatgctaca 120
caggctatat ttgaaatact ggagaaatcc tggttgcccc agaattgtac actggttgat 180
atgaagattg aatttggtgt tgatgtaacc accaaagaaa ttgttcttgc tgatgttatt 240
gacaatgatt cctggagact ctggccatca ggagatcgaa gccaacagaa agacaaacag 300
tcttatcggg acctcaaaga agtnactcct gaagggtccc aaatggtaaa gagaaacttt 360
gagtgggttg cagagagagt agagttgctt ttgaaatcag anagtcagtg cagggttgta 420
gtgttgangg gctctacttc tgatcttggt cactgtgaaa aaatccagga 470
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<210> 792

<211> 428

<212> DNA

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<222> (391)

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<400> 792

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atcaagatca tcgcaccccc agagcgcaag tactcggtgt ggatcggtgg ctccatcctg 180
gcctcactgt ccaccttcca gcanatntgg attacaagca ggagtacnac aantcgggnc 240
cctccatcgt ccaccgcaaa tgcttctaac ngactcncan atgcttacca ttgctgcatg 300
ggttaattaa naataaaaaan tttgcccctg gcaaatgcac acacctcatg cttacctccc 360
caaaattgga ataanccttc caaaaaaaaa ntgttcctta aaacttggtt tcttaatttc 420
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<210> 793

<211> 526

<212> DNA

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<222> (329)

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<220>
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aggacttcct ggcaggtgga gtggccgcag ccattctcaag acggcggtan gcccatcgag 180
cgggtcaagc tgctgctgca gttgcaatgc cagcaagcag atcactgcag ataagcaatg 240
caaaggcatt atagactgcg tggctccgtat tccaaggag caggattctg tccttctggc 300
gcnctaactg gccatgtcat cagatantnc ccancaggt tcttaatttc gnttttcaag 360
nttaatacaa gcanatnttc nggggtggtg tggnacanga gaaccattt tggggctaen 420
ttgcaggga tttgggcatac ggggtggttc ncgggggccca aattccnggg ttttgngtaa 480
cccctggaat ttgcccgtaa ccgtttaana ttgatttggg gnaaaa 526

<210> 794
<211> 458
<212> DNA
<213> Homo sapiens

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<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
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<222> (427)
<223> n equals a,t,g, or c

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<220>

<221> misc feature

<222> (443)

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<400> 794

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gaaggaggaa aggggtgctgc tggctcctct gggccacctg gtgctgctgg tactcctggt 180
ctgcaaggaa tgcctggaga aagaggaggt cttggaagtc ctggtccaaa gggatgacaag 240
ggatgaaccag gcggtccagg tgctgatggt gtcccaggga aagatggccc aaggggtcct 300
antggctcta ttggctcctc tggcccagtt ggccagcctg gagataaagg gtgaagggtgg 360
tgcccccgga tttccangta taagttggac ctgtggttag cctggtgaga gaggtgaaat 420
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<210> 795

<211> 497

<212> DNA

<213> Homo sapiens

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<222> (14)

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<222> (182)

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<222> (492)

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<400> 795

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ctcagcctgc cgagccgcag tttccgtggt gtgagtaagt ccggggcccgt gtcccctctc 120
ccgcccgcgc catgggctgc acgttgagcg ccgaagacaa ggcggcagtg gagcgatgaa 180
gnatgatcga ccgcaactta cgggaggacg gggaaaaagc ggccaaagaa gtgnaagntg 240
ctgctacttc ggtgctggag aatctggtta aaagcaccat ttgtgagaca gatgaaaatc 300
atttcacgag gntgggtatt cagaggtnga atgttaaaca atattaaagt tagttntttt 360
ncagcatnnt tgttncagtg ccntcattgc aatnttnagt ggccttggga ngggtnaaaa 420
aattgatttt ggggaantnt cncagggcaa ttgttgcccg gcaattnttt nttntagntn 480
gtcanttttt tngaggg                                     497
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<210> 796

<211> 497

<212> DNA

<213> Homo sapiens

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<222> (385)

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<222> (396)

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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (485)
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<400> 796
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tgacgctgcg gtaccgggtcc ctggtgtacc agctgaactt tgatcagacc ctgaggaatg 120
tagataaggc tggcacctgg gccccccggg agctgggtgct ggtggtccag gtgcataacc 180
ggcccgaata cctcagactg ctgctggact cacttcgaaa agcccaggga attgacaacg 240
tcctcgtcat ctttagccat gattctgggtc gaccgagatc aatcagttga tcgccgggggt 300
tganttctgt tccggttttg cagggtgttn tttncnttcc aagcattcaa ttgttancct 360
aacgagtttt ccagtaagtg gaccncagag gatttntccc agagaacntn ccgaagaatg 420
cccttttttna aattgggggc ancaaattga ggtttcccgn tttttgggca ttttaaggggg 480
gggcnaattt ttccagg 497

<210> 797
<211> 589
<212> DNA
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<220>
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<220>

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<222> (423)

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<220>

<221> misc feature

<222> (475)

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<220>

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<222> (485)

<223> n equals a,t,g, or c

<220>

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<222> (493)

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<222> (495)

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<220>

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<222> (536)

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<220>

<221> misc feature

<222> (538)

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<222> (580)

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<400> 797

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gacgtcatag ctcttctata gagtcaccta aattcaattc actggccgtc gttttacaac 120
gtcgtgactg ggaaaaccct ggcgttacct aacttaatcg ccttgcagca catccccctt 180
tcgccagctg gcgtaatagc gaagaggccc gcaccgatcg cccttcccaa cagttgcgca 240
nctgaatggc gaatgggacg cgccctgtag cggcgcatta agcgcggcgg gtgtgggtgg 300
tacgcgcagt gaaccgctac acttgccagc gccctagcgc ccgctccttt cgctttcttc 360
ccttcctttc tcgccacgtt cgccggcttt ccccgctcaag ctctaaatcg ggggctcctt 420
tanggttccg atttagtgct ttacgggcac ctcgacccca aaaaaacttg attangggta 480
atggntcacg tantngggcc atcgccctga tagacgggtt ttcgcctttg acgttnngnt 540

ccacgttctt aataagtggg atcttggtca aaactggaan aacactcaa

589

<210> 798

<211> 169

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (23)

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<222> (28)

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<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (169)

<223> n equals a,t,g, or c

<400> 798

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atccaagctt acgtacngcg catgcacgtc atagctcttc tatagtgtca cctaaattca 120
attcactggc cgtcgtttta caacgtcgtg actgggaaaa cncntggn 169

<210> 799

<211> 112

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (110)

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<400> 799

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agctaaattc aattcactgg ccgtcgtttt acaacgtcgt gantgggaan nc 112

<210> 800

<211> 424

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

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<222> (391)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<400> 800
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caccttctgt atctacaaac gatgcagaca cccaggagag ttacgtaatg ggcaagtaga 180
gattaagaca gatttatctt ttggatcaca aatagaattc agctgttcag aaggattttt 240
cttaattggc tcaaccacta gtcgttgtga agtccaagat agaggagttg gctggagtca 300
tcctctccca caatgtgaaa ttgtccaagt gtaagcctcc tccagacatc aggaatggga 360
aggcacagcg gnngaagaaa atttctacgc ntaanggggt ttctgtcacc taaagntggg 420
accc 424

<210> 801
<211> 249
<212> DNA
<213> Homo sapiens

<220>
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<222> (36)
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<220>
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<222> (63)
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<220>
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<220>
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<220>
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<220>
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<400> 801
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 gtnaggccat tgtngacaca ggcacttccc tcatgggtggg nccggtggat gangtgcgcg 120
 antgcagaag gccatcgggg ccgtgccgnt gattcanggc gagtacatga ncccctgtna 180
 gaaggtgtcc accctgcccc caatnacact gaagctggga ggcaaaggct acaagctgtc 240
 cncagagga 249

<210> 802

<211> 402

<212> DNA

<213> Homo sapiens

<220>

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<222> (147)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (149)

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<220>

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<222> (310)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (322)

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<220>

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<222> (344)

<223> n equals a,t,g, or c

<220>

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<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (383)

<223> n equals a,t,g, or c

<400> 802

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gaaactctga caggtgcctt attccagcga cccccactta ttgctgcagt aaagaggcag 120
ctccgagtga ggaccatcta cgagagnana aatgattgaa tacgatcctg aaagaagatt 180
aggaatcttt tgggtgagtt gtgaggctgg cacctacatt cggacattat gtgtgcacct 240
tggtttggtta ttgggagttg gtggtcagat gcaggagctt cggagggttc gttctggagt 300
catgagtgan aaggaccaca tngtgacaat gcatgatgtg cttnatgctc agtggctgta 360
tgntaaccac aaggatgaga gtnacctgcg gggagttggt ta 402
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<210> 803

<211> 542

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (215)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

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<220>

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<222> (380)

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<222> (386)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
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<222> (425)
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<220>
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<220>
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<220>
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<222> (501)
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<222> (507)
<223> n equals a,t,g, or c

<220>
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<222> (527)
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<400> 803
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ccacagcggg ggctgccggg cgtgggtgctg gtgggtcggg tggtttttgt ctcaccgctg 120
gntnccgtgc cgttcagttg cccgccatgg ctgagctgga tccgttcggc gcccctgccc 180
gcgccccttg ggtncgccg ctggggaacg gatgnccggc gccggcgaag aagaccggc 240
tgcggccttc ttggcgcaaa gnagaagcga gattgcgggc atcgagaacg acgaggcctt 300
cgccatcctg gaacggcggc gccccgggc cccaaccgca aggaaagtcc ggcgnggggt 360
tccgatgctg ttgnatggan taatgnaatg gtggattatn acnagnaaat taatgggtcc 420
aacanaaatt atgcagtatt tcaaaatgga tcgattgcat caaaacctga aatatcctaa 480
atggaganag aaaatggaan nttgaancct taagccaatt tcggaancaa aaacaaatgg 540

aa

542

<210> 804
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<400> 804

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ggacnnnccn ngctactggtg gccgtggaca agggcgtggt cgtgctgaat aagaanaaca 120
aactgacgca gagtaagatc tgggacgtgg tggagaaggc agacatcggc tgcaccccg 180
gcagtgggaa ggattacgcc ggtgtcttct ccgacgcagg gctgaccnnc acgagcagca 240
gtggccagca gaccgcccag anggcagaac ttcagtgtccc gcagccagcc gcccgccgac 300
gcngttccgt gcagctcacg gagaagcgaa tggacaaagt cggcaagtac cccaaggagc 360
tngcaagtg ctgcgaggac ggcattcggg agaaccccat gaagttctcg tgccagggcg 420
gg                                                                                   422
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<210> 805

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (519)

<223> n equals a,t,g, or c

<400> 805

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gagggtggtt accgctgagg agctgcagtc tctgtcaaga tgatagaggt actgacaaca 120
actgactctc agaaactgct acaccagctg aatgccctgt tggaacagga gtctagatgt 180
cagccaaagg tctgtggtt gagactaatt gagtctgcac acgataatgg cctcagaatg 240
```

actgcaagac taagggactt tgaagtaaaa gatcttctta gtctaactca gttcttggct 300
tgacacagag acatttctct agctgtgaat tactggacag antcctgtct aaaatgaang 360
tacagcccaa gcacctgggt gtgttggact gagctgcttt tatttggctg taaaatcaat 420
agaagaggaa aaggatgtcc cattggcaac tgacttgatc cgaataagtc aatataaggt 480
tacgggttca gactgatgag aatgggaaaa attgtattng agaaggtgtg tttggaagtc 540
aagctactaa tgcctttcaa ttctgc 566

<210> 806

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (383)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<400> 806

cccagtccta gctgctggca tcactatact actaacagac cgcaacctca acaccacctt 60
cttcgacccc gccggaggag gagaccccat tctataccaa cacctattct gatttttcgg 120
tcaccctgaa gtttatattc ttatcctacc aggcttcgga ataatctccc atattgtaac 180
ttactactcc ggaaaaaaag aaccatttgg atacataggt atggtctgag ctatgatatc 240
aattggcttc ctaggggttta tcgtgtgagc acaccatata tttacagtag gaatagacgt 300
agacacacga gcatatttca cctccgctac cataatcatc gcttatcccc accggcgctca 360
aagtattagc tgactcgcca canttccacg ggagcaatat gaaatgatct ggctgcagtg 420
ctctgagncc taaggant 438

<210> 807

<211> 236

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<400> 807
ctcgtgccga attcggcacg agaaactttc ctcactatct gcttcacccg ccaactaata 60
tttcacttta catccaaaca tcactttggc ttcgaagccg ccgcctgata ctggcatttt 120
gnacatgtgg ttgactatn tccgtatgtc tccatctatt gatgaggggc ttaaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaanccng ggggggggncc nggacc 236

<210> 808
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (503)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (512)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (516)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<400> 808

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gtgtgaactg cagcctgagg agaagtgctg tgtgtgtgggc actctgttca aggccatgcc 120
gctgcagccc tccatcctgc gggaggtcag cgaggagcac aacctgctcc cccagcctcc 180
tcggagtaaa tacatacacc cagatgacga gctggtcttg gaagatgaac tgcagcgtat 240
caaaactaaaa ggcaccattg acgtgtcaaa gctggttacg gggactgtcc tggctgtgtt 300
tggctccgtg agagacgacg ggaagtttct ggtggaggat tattgctttg ttgaccttgc 360
tccccagaag cccgnacccc cattgacaca gttaggttnt gttantggtg tccggcctgg 420
gcctgggtgg cgttggaggc gagagcntgt tgggcaccca ttgttggtgg atntggtgac 480
ggggcagttt ggggacgaag ggnagcatgc ancgngcca agtttcccgg ttatcctggt 540
tgnaacttct aa 552

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<210> 809

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (349)

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<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<400> 809

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cggcggaagc ggagaccatg ttccgagcgg cggctccggg gcagctccgg cgggcggcct 120
cattgctacg atttcagagt accctggtaa tagctgagca tgcaaatgat tccctagcac 180
ccattacttt aaataccatt actgcagcca cagccttgg aggtgaagtg tcctgcttag 240
tagctggaac caaatgtgac aaggtggcac aagatctctg taaagtagca ggcataagcaa 300
aaagttctgg tggctcagca tgaatgtgta caagggctta cttccagang gaactgaana 360
cnaatnatttt tggaaactcn                                     380
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<210> 810

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<400> 810

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gctcctgtac gaggggcccc cggacgacga ggctgccatg ggcattaaaa gctgtgaccc 120
caaaggccct cttatgatgt atatttccaa aatgggtgcc aacctccgaca aaggctcgggtt 180
ctacgccttt ggacgagtct tctcggggct ggtctccact ggcctgaagg tcaggatcat 240
ggggcccacac tatacccctg ggaagaagga ggacctctac ctgaagccaa tccagagAAC 300
aatcttgatg atgggcccgt aagtggaagc ccacggaagg atgtgccttg tngggacatt 360
ttgggcctcg tggcggttga ccantccttg tgaaaacggg naccannaac aacttc 416
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<210> 811

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (619)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (668)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (671)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (714)

<223> n equals a,t,g, or c

<400> 811

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gtggtcggtg gcatctacgg ggttttgaac aggaagcggg gccacgtgtt cgaggagtcc 120
cagggtggccg gacccccat gtttgtggtc aaggcctatc tgcccgtcaa cgagtccttt 180
ggcttcaccg ctgacctgag gtccaacacg ggcggccagg cgttcccca gtgtgtgttt 240
gaccttggc agatcctgcc cggagacccc ttcgacaaca gcagccgccc cagccagggtg 300
gtggcgggaga cccgcaagcg caagggcctg aaagaaggca tccctgccct ggacaacttc 360
```

ctggacaaat tgtaggcggc ccttcctgca gcgcctgccg ccccggggac tcgcagcacc 420
cacagcacca cgtcctcgaa ttctcagacg acacctggag actgtcccga cacagcgacg 480
ctcccctgag aggtttcttg ggcccgtgc gtgccatcac tcaaccataa cacttgatgc 540
cgnttccttc aatatttatt tccagagtcc ggaggcagca gacacgccct cttagtaggg 600
acttaatggg ccggtcggng agggggaggc gggatgggac acccaacact tttttcattt 660
cttcagangg naaacttcag atgtccaaac taattttaac aaacgcatta aganggttaa 720
tttggtaca atgggccga atggcttt 748

<210> 812

<211> 562

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

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<220>

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<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<400> 812

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tctagaacta gtggatcccc cgggctgcag gaattcggca cgagcacaat ttgcgcgctc 120
tctttctgct gctccccagc tctcggatac agccgacacc atgggtttcg gagacctgaa 180
aagccctgcc ggccctccagg tgctcaacga ttacctggcg gacaagagct acatcgaggg 240
gtatgtgcc aacaaagcag atgtggcagt atttgaagcc gtgtccagcc caccgcctgc 300
cgacttggt catgcctac gttggtataa tcacatcaag tcttacgaaa aggaaaaggc 360
cagcctgcc ggagtgaaga aagctttggg caaatatggt cctgccgatg tggaagacac 420
tacaggaagt ggagctacag atagtaaaga tgatgatgac attgacctct ttggatctga 480
tgatgaggag gaaagtgaag aagcaaagag gctaaggga gaacgtcttg cacaatatga 540
atcaaagaaa gccaaaaaac ct 562

<210> 813

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

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<220>

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<222> (42)

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<220>

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<222> (48)

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<220>

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<222> (50)

<223> n equals a,t,g, or c

<220>

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<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (69)

<223> n equals a,t,g, or c

<400> 813

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ggtgcggcng tctagactag tggatcccc gggtgcagg aattggcacg aggttagttt 120
ctgcgacttg tggtgggact ggaagatgtc ttcaggaaat gctaaaattg ggcaccctgc 180
ccccaaacttc aaagccacag ctgttatgcc agatgggtcag tttaaagata tcagcctgtc 240
tgactacaaa ggaaaatatg ttgtgttctt cttttaccct cttgacttca cctttgtgtg 300
ccccacggag atcattgctt tcagtgatag ggcagaagaa ttaagaaac tcaactgcca 360
agtgattggt gcttctgtgg attctcactt ctgtcatcta gcatgggtca ataca      415
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<210> 814

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

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<220>

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<222> (21)

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<220>

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<222> (35)

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<220>

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<222> (93)

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<220>

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<222> (118)

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<220>

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<222> (121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<220>
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<222> (177)
<223> n equals a,t,g, or c

<220>
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<222> (186)
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<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
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<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
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<222> (247)
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<220>
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<222> (304)
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<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<400> 814
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gggctgcagg aattcggcac agctntgggg gantcctggt gcacccccan ngggtctnct 120
ntgctgccca ttgcctaaag aagaatagcc aggnctggct gggctcgccac aacctgnttg 180
agcctnaaga cacangccag agggtcctn tcagccacag cttcccacac ccgctctgac 240

aatantnagc ctttctgaag catcaaagcc ttagaccagn tgaagactcc agccatgacc 300
tcangctgct ccgnct 316

<210> 815

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (265)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (309)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

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<222> (358)

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<220>

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<222> (385)

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<220>

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<220>

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<222> (437)

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<220>

<221> misc feature

<222> (466)

<223> n equals a,t,g, or c

<220>

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<222> (486)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (506)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (507)

<223> n equals a,t,g, or c

<400> 815

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aacgccgcga tggctgcgca gggagagccc caggtccagt tcaaagtagg taaccctgcg 120
ggcgggaggc ggccgagccc gaccgcgtgc gactcgcggg tccctcctcc tggggccacg 180
atggctgtaa tggggccccg catccacatt ctttgtttta agtgagcctg tggtggttaa 240
agttccgtga ctctgggatc ttganagggt aatgtttang gtttacttcc aaaatgtgtt 300
tttcaacanc ttgtaatggt tggatgatgg ggtaanggga aaaacgacnt cgtggaantg 360
catttgactg gtggaatttg agaanaatgt gttagccanc ttgggtgttg gaggttcaac 420
ccccaatgtt tccacancaa cagaggaccc attaagttca atgtantggg acacagccgg 480
ccaggngaatt tccgtggact ggaaann                                     507
```

<210> 816

<211> 551

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<400> 816

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gccgctctag aactagtggg tcccccgggc tgcaggaatt cggcacgagc aggcattgcag 120
aaggctgacg tctatagctt tgggatcatc ctgcaggaga tagcacttcg cagtggctcct 180
ttctacttgg agggcctgga cctcagcccc aaagagattg tccagaaggt acgaaatggg 240
cagcggccat atttccggcc aagcattgac cggacccaac tgaatgaaga gctagttttg 300
ctgatggagc gatgttgggc tcaggaccca gctgagcggc cagacttttg acagattaag 360
ggcttcattc ggcgctttaa caaggagggt ggcaccagca tattggacaa cctcctgctg 420
cgcattggaac agtatgccaa taacttgag aagctggtgg aggaacgcac acaggcctat 480
ctggaggaaa aacgcaaggc tgaagctctg ctctacccaa tcctacccca ttcagtggca 540
gagcagttaa a 551
```

<210> 817

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<400> 817

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gggagacatt naagannttc aaggatccca atgcacccaa gaggcctcct tcggccttct 60
tcctcttctg ctctgagtat cgcccaaaaa tcaaaggaga acatcctggc ctgtccattg 120
gtgatgttgc gaagaaactg ggagagatgt ggaataacac tgctgcagat gacaagcagc 180
cttatgaaaa gaaggctgcg aagctgaagg aaaaatacga aaaggatatt gctgcatatc 240
gagctaaagg aaagcctgat gcagcaaaaa agggagtgtg caaggctgaa aaaagcaaga 300
aaaagaagga agaggaggaa gatgaggaag atgaagagga tgaggaggag gaggaagatg 360
aagaagatga angatgnnna cacntg                                     386
```

<210> 818

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<400> 818

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ggcacgagaa aatgtcaggc ctgattatct aaaagctatt tggaatgtaa tcaactggga 60
gaatgtaact gaaagataca tggttgcaa aaagtaaacc acgatcgta tgctgatcat 120
accctaata tcccagcaag ataatgtcct ttcttctaag atgtgcatca agcctgggtac 180
```

atactgaaaa ccctataagg tcctggataa tttttgtttg attattcatt gaagaaacat 240
ttattttcca attgtgtgaa gtttttgact gttaataaaa gaatctgtca accatcaaaa 300
aaanaaaaaa aaaaaacctg gggggggggc ccgnanccna tttggccctt tggggggggg 360
tntt 364

<210> 819

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (299)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<400> 819
ntgatagaca agaangaaag taacccgnac taaagggaac aaaagcngga gctccaccgc 60
ggtgccgncc gctctagaac tagtggtatcc cccgggctgc aggaattcgg caccagctcc 120
gccagacagc ggncaaaagt gctggcccat ttctatgggg tgaagctgga gggcaaggtg 180
cccatgcaca agctgttctt ggagatgctc gaggccatga tggactgagg caaggggtgg 240
gactggtggg ggttctggcc aggacctgcc ttagcatggg gtccagcccc aagggtgng 300
gcggactggg gtctgggcat gccacagcct gctggcaggc cagggcattgc cntcncncng 360
gggaacaggc cccacgcctt ttcttccctt tctaaggggt gttcaaaact gggaactttt 420
ttccaggttt tgggcacatt gttgcccctt tnnanncata aa 462

<210> 820
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<400> 820

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gcgcgcantc cccgctccct cccccttcgg atgtggcttg agctgtaggc gcggagggcc 60
ggagacgctg cagacccgcg acccgagca gctcggaggc ggtgaataat agctcttcaa 120
gtctgcaata aaaaatggcc tccaacaaaa ctacattgca aaaaatggga aaaaaacaga 180
atggaaagag taaaaaagtt gaagaggcag agcctgaaga atttgtcgtg gaaaaagtac 240
tagatcgacg ttagtgatgaat gggaaagtgg aatatttcct gaagtggaag ggatttacag 300
atgctgacaa tacttgggaa cctgaagaaa atttagattg tccagaattg attgaagcgt 360
ttcttaactc tcagaaagct ggcaaagaaa aagatggtac caaaagaaaa tctttatctg 420
acagtggatc tgatgacagc aaacaaaga                                     449
```

<210> 821

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (409)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (430)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (434)

<223> n equals a,t,g, or c

<400> 821

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cgcgtccggc ctgactgctt gtctgtctna ctgggtgtgag ctccagcatc ccctttgctc 60
gaaatggacc ccaactgctc ttgcgccact ggtggctcct gcacgtgcgc cggctcctgc 120
```

aagtgcaaag agtgcaaatg cacctcctgc aagaagagct gctgttcctg ctgccccgtg 180
ggctgtgcca agtggtgcca gggctgcgtc tgcaaagggg catcggagaa gtgcagctgc 240
tgtgcctgat gtgggaacag ctcttctccc atatgtaaat agaacaacct gcacaacctg 300
gattttttta aaaatacaac actgagccat ttgctgcatt tcttttatac taaatatgtg 360
actgacaata aaaacaattt tgactttaaa anaaaaaaaa agggggccnt ttgggggtccc 420
tgggggccan ttnggggat cgggaaagtt tcc 453

<210> 822

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (206)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (398)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (455)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<400> 822

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gaactaatgt tagtataagt aacatgaaaa cattctcctc cgcataagcc tgcgtcagat 60
taaaacactg aactgacaat taacagccca atatctacaa tcaaccaaca agtcattatt 120
accctcactg tcaacccaac acaggcatgc tcataaggaa aggttaaaaa aagtaaaagg 180
aactcggcaa atcttacccc gcctgnntac caaaaacatc acctctagca tcaccagtat 240
tagaggcacc gactgcccان gtgacacatg tttaacggcc gcggtaccct aaccgtgcaa 300
aggtagcata atcacttggt ccttaattan ggacctgtat gaatggctcc acgagggttc 360
aagctgnctc ttacttttaa ccagtgaaaa tgacctgncc gngaagaggc gggcataaca 420
cagcangacc aagaagaccc tatggagctt taatntatta ngcaaacagt ccta 474
```

<210> 823

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (441)

<223> n equals a,t,g, or c

<400> 823

```
gcccacgcgt ccgcccacgc gtccgcccctc tcccaacatg gcggcctcag caaaaaagaa 60
gaataagaag gggaagacta tctccctaac agactttctg gctgaggatg ggggtactgg 120
tgagggaagc acctatgttt ccaaaccagt cagctgggct gatgaaacgg atgacctgga 180
aggagatgtt tcgaccactt ggcacagtaa cgatgacgat gtgtataggg cgctccaat 240
tgaccgttcc atccttccca ctgctccacg ggctgctcgg gaaccaata tcgaccggag 300
ccgtcttccc aaatcgccac cctacactgc ttttctagga aacctaccct atgatgttac 360
agaagagtca attaaggaat tctttcgagg attaaatata agtgacgtgc gtttaccacg 420
tgaaccacgc aatccagaga ngttgaaagg tttgggtatg ctg 463
```

<210> 824

<211> 599

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

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<220>
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<222> (117)
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<220>
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<222> (126)
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<222> (183)
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<222> (203)
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<220>
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<220>

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<222> (271)
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<220>
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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
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<222> (362)
<223> n equals a,t,g, or c

<220>
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<222> (372)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<222> (418)
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<220>
<221> misc feature
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<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
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<222> (440)
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<220>
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<220>

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<222> (486)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (544)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (579)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (581)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (586)

<223> n equals a,t,g, or c

<400> 824

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cgtcttgctg ctgatgactt tagaggcnag tatgagacag atctggccat gcgccantct 120
gtgganaacg acatccatgg gctccgaaag gtcattgatg acaccaatat cacacgactg 180
cancctggaga cagagatcga ggntctnang gaggatctgc tcttcatgaa naanaaccac 240
taagaggaan gancaaggcc tacaagccca nattgccanc tctgggntga ccgnggaggt 300
anatgcncnc aaatctcang acctcgcnna gancatggga gacatcccgg cccaatatga 360
cnagctggct cntaagaacc gagangaagc tagaccagta ctggtcttaa acanattnan 420
ganagcacca cagtggctcan cacacagtct gctgaagttg gaactgctga aacnacgctc 480
acagancctta gacgtacagg ccattccttg gaaatatgaa ctggacttca ttagaaatct 540
gaangccctc ttggaaaaca accttgacgg gaagtggang ncccgntacg accttacia 599
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<210> 825

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
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<222> (368)
<223> n equals a,t,g, or c

<220>
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<222> (391)
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<220>
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<222> (415)
<223> n equals a,t,g, or c

<220>
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<222> (420)
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<220>
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<222> (422)
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<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
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<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

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<220>

<221> misc feature

<222> (470)

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<220>

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<222> (473)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<400> 825

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atcttgcctg gagcaaggnt atcaatgctt acaattgtga agagcccaca gaaaagttac 120
cttttcccat catcgatgat aggaatcggg agcttgccat cctggtgggc atgctggatc 180
cagccagaga aggatgaaaa gggcatgcct gtgacagctc gtgtggtggt tgtttttggg 240
cctgataaga agctgaagct gtctatcctc taccagcta ccactggcag gactttgatg 300
agatctcagg gtagtccanc tctctccagc tgacanagaa aaaggggtgc acccagttga 360
ttggaggntg ggataggtat ggcctccacc ncctgagaga gcaaaaattt tccgnagagn 420
tnacaagngt ccttgccan actcgtaaac cagctaagtn tgngagtgnn ttngcaagtn 480
taatccattt ttngagatc                                     500
```

<210> 826

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (266)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (424)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (467)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (496)

<223> n equals a,t,g, or c

<400> 826

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gcgccccctc atcacgctcg ccatgcccgg aggtctgctt ctcggggacg tggctcccaa 120
ctttgaggcc aataccaccg tcggccgcat ccgtttccac gactttctgg gagactcatg 180
gggcattctc ttctcccacc ctcgggactt taccacagtg tgcaccacag agcttggcag 240
agctgcaaag tggcaccaga atttgncaag aggnatgtta agttgattgc cctttcaata 300
gacagtgttg aggaccatct tgccctggagc aaggatatca atgnttacia ttgtgagggg 360
ccacagaaaag ttaccttttc ccatcatcgt gataggatcg gagttncat cctnttgga 420
ngtnggtcca cagagaaggt gaaagggang cctttnagtc gtgtggngtt tttttggccc 480
gtnagaagtn aagtgnatc ttaccagtac c 511
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<210> 827

<211> 519

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (186)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<400> 827
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gggtcgaccc acgcgtccgc cacggtccgc actgcctcct cccttctcgc ttgggaactc 120
tagtctcgcc tcgggttgca atggacccca actgctcctg tgccgctgag gtgtctcctg 180
cacctngcca gtcctgcaag tgcaaagagt gcaaatgcac ctccctgcaag aagagctgct 240
gtcctgctg ccctgtggct gtgccaagtg tgcccagggc tgcatctgca aaggggcatc 300
ggagaagtgc agctgctgcg cctgatgtcg ggacagccct gctcccaagt acaaatagag 360
tgaccgcgtaa aatccaggat tttttgtttt ttgctacaat cttgaccctt ttgctacatt 420
cctttttttc tgtgaaatat gtgaataata attaaacact tagacttgaa aaaaaaana 480
aaaaaanaaa aaaggggggn ccttttttagg gggttcn cn 519

<210> 828
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<400> 828
ancagcgcac natngggaac ntggncgcct gcaggtaccg gaccggaatt cccgggtcga 60
cccacgcgtc cgggagggga cacgggtca ttgcggtgtg cgccctgcac tctgtccctc 120
actcgccncc gacgacctgt ctgcccagc gcacgccttg ccgccgcccc gcagaaatgc 180
ttcggttacc cacagtcttt cgccagatga gaccggtgtc caggggtactg gtcctcatc 240
tcaactgggc ttatgccaaa gatgtaaaat ttggtgcaga tgcccagagc ttaatgcttc 300
aaggtgtaga ccttttagcc gatgctgtgg ccgttacaat ggggccaaag ggaagaacag 360
tgattattga gcagagttgg ggaagtccca aagtaacaag agatggtgtg actgttgcaa 420
agtcattgac ttaaaagnaa at 442

<210> 829
<211> 504
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<400> 829
aattcggcac gagcctgtnt cgccgagcgc acgcnttgcc gccgccccgc agaaatgctt 60
cggttaccca cagtctttcg ccagatgaga ccggtgtcca ggggtactggc tcctcatctc 120
antcgggctt atgccaana tgtaaaattt ggtgcagatg cccgagcctt aatgcttcaa 180
ggtgtagacc ttttagccga tgctgtggcc gttacaatgg ggccaaaggg aagaacagtg 240
attattgagc agagttgggg aagtcccaaa gtaacaaaag atggtgtgac tgttgcaaa 300
tcaattgact taaaagataa atacaaaaac attggagcta aanttggtca agatgttgcc 360
antaacacaa ttgaggagct ggggatggca ntaccatgct actgttatgg cacgtctata 420
gccaaaggaag gtttcgagaa ggtagcaag gtgctaatac atgggaatca ggagaggtgt 480
gatgtagng ttgatgctgt attg 504

<210> 830
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<400> 830

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gtcgtnacna nnntntatta aagggttcan aagctggagc tccaccgcgg tgcggccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac aattcggcac gagggaaggt 120
gctgtgtaat cattaaggag cggaggcttt tggagctgct aaaatgccgg attacctcgg 180
tgccgatcag cggaagacca aagaggatga gaaggacgac aagcccatcc gagctctgga 240
tgaggggggat attgccttgt tgaaaactta tggtcagagc acttactcta ggcagatcaa 300
gcaagttgaa gatgacattc agcaacttct caagaaaatt aatgagctca ctggtattaa 360
agaatctgac actggcctgg ccccaccagc actctgggat ttggctgcag ataagcagac 420
actccagagt gaacagcctt tacaggttgc cagggtgtaca aagataatca atgctgattc 480
ggaggaccca aaatacatta tcaacgtaaa gcagtttgcc aagtttgtgg tggaccttag 540
tgatcagggtg gcacctactg acattgaaga agggatgaga gt 582
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<210> 831

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (142)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (356)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (373)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<400> 831

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ccccacgcgc cgccccacgcg tccggggcggt ggccgggtgcg gcgtgttcgg tggcggctct 60
ggccgcctcag gcgcctgcgg ctgggtgagc gcacgcangg cggcgaggcg gcacgtgttt 120
ctaggctcgtg gcgtcgggct tncggagctt tggcggcact aggggaggat ggcggagtct 180
tcggataagc tctatcgagt cgagtacgcc aagagcgggc gcgcctcttg caagaaatgc 240
agcgagacat ccccaaggac tcgctccgga tggncatcat ggtgcatcgc ccatgtttga 300
tggaaaagtc cacatggtac anttctcctg cttctggaag tgggcaatcc atccgnanct 360
gactttaagt gannggtttc ttata                                     385
```

<210> 832

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (497)

<223> n equals a,t,g, or c

<400> 832

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ggcanagtgc agcctcagtg ctatgaaggt gacagcgtga ggtgacccat ctggcccgcc 60
gcgatgctgg caacacggcg gctgctcggc tggtcgcttc ccgcgcggac agcacccaag 120
aaaacctcat ttggctcgct gaaggatgaa gaccggattt tnaccaacct gtacggccgc 180
catgactgga ggctgaangt tccctgagtc gaggtgactg gtacaagaca aaggagatcc 240
tgctgaaggg gcccgactgg atcctgggcg agatcaagac atcgggttta aggggccgtg 300
gaggcgctgg cttccccaat ggcctcaagt ggngnttcat gataaggcct cagatggcag 360
gccaagtat ttggtggttn aacgcaaacg aggggggagc cgggnaactg naagaaccgg 420
ggggttttta ggccnggntc ttaaaaagtt tttgaaggtt nctttgttgg gggnccgnc 480
atgggggccc ggttgnntat ttttt                                     505
```

<210> 833

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<400> 833

```
gctgcgagaa gacgacagaa ggggctctcc cctcgtccac cgctgccgcc tcctttcttct 60
gccgctcctg gtgctgcttg tgtgctcgtt tggcgcgac ctggtacctc ttttgtgaag 120
cggcagctga ggagactccg gcgctcgcca tggccgacga aaagcccaag gaaggagtca 180
agactgagaa caacgatcat attaatctga aggtggcggg gcaggatggt tctgtggtgc 240
agtttaagat taagaggcat acaccactta gttaaactaat gaaagcctat tgtgaacgac 300
agggattgtc aatgaagcag atcagattcc gatttnacgg gcaaccaatc aatgnaacag 360
acacacctgc acagttgggn aatgggagga tgaagatacc aatgatgtgt tccaaacagc 420
agacgggagg tgtctactga aaan                                     444
```

<210> 834

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (141)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (142)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<400> 834

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cccacgcgtc cgcccacgcg tccgcgcgcg tcgctatggc gtcgctcacc gtgaaggcct 60
accttctggg caaggaggac gcggcgcgcg agattcgccg cttcagcttc tgctgcagcc 120
ccgagcctga ggcggaagc nnggctgcgg cgggtccggg acccttgca gcggtgctg 180
agccgggtgg ccgccctgtt ccccgcgctg cggcctggcg gctttccagg cgcactaccg 240
cgattgagga cggggatttg ttgctttttt ccattgacga ggatttgaca tgggcatgtt 300
ctacgttgaa gatgaatctt tncgatttta natttnaaga gaaaanattt ccggcgggga 360
cacgncaagt                                     370
```

<210> 835

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (215)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (258)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<400> 835

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cccacgcgtc cgccacgcg tccgcccacg cgccgcccc cgcgtccgca atgagcttcg 60
tgttgccctt gaagagcatc ccaccctgct cacggaggca cccctgaacc ccaaggccaa 120
ccgggagaaa atgactcaaa ttatgtttga gactttcaat gtccaagcca tgtntttggc 180
tatccaggcg gtgctgtctc tctatgcctc tggangcaca atggaatcgt gctggactct 240
ggagatggtg tcaccanana tgtcccaatn tatgagggtc atgcttgnc ccatgcaata 300
natgggtctg natttgg 317
```

<210> 836

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (117)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (142)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (190)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (207)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (211)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<400> 836

```
ccctctgcgc ggcaacgtgg tcccaagccc actgcccact cgcnggacga ggaccttttc 60
ggcgacgggtg cgggcttcan agggncctgt ttacaaagga gtctgcaa at gcttctnccg 120
gtccaagggc catggcttca tnnccccagc tgatggcggc cccgacatct tcctgcacat 180
ctttgaatgn gnaaggggga gtatgtacca ntggaaggcg acgagggtcan ctataaaatg 240
tgcttccatc ccacccaaga ntgagaagct ncaagccgtg ggagttcgtc atcaatcacc 300
tggcaccagg naccaagtat gagacctggt tttggacant ttcatcantt tcntaggaaga 360
ttggttgga gcancccttt tt 382
```

<210> 837

<211> 375

<212> DNA

<213> Homo sapiens

<400> 837

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cggagtttct cctcgggggtc ggagcaggag gcacgcggag tgtgaggcca cgcattgagcg 60
gacgctaacc ccctccccag ccacaaagag tctacatgtc taggggtctag acattgttcag 120
ctttgtggac ctccggctcc tgctcctctt agcggccacc gccctcctga cgcacggcca 180
agaggaaggc caagtcgagg gccaaagacga agacatccca ccaatcacct gcgtacagaa 240
cggcctcagg taccatgacc gagacgtgtg gaaacccgag ccctgccgga tctgcgtctg 300
cgacaacggc aagggtgttgt gcgatgacgt gatctgtgac gagaccaaga actgccccgg 360
cgccgaagtc ccga 375
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<210> 838

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (425)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (445)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (476)

<223> n equals a,t,g, or c

<400> 838

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nttctgancc cagntgancc aatagaaggt acgccngcag gttaccgcgt ccggaaattc 60
ccgggtcgac ccacgcgtcc ggccagccgt tcacgcgttc ggctcctcctt ggctgantca 120
ccgccctcgc cgccgcanca tggacgcccc cangcagggtg gtcaactttg ggcttggtcc 180
cgccaanctg cgcactcag tgttgtaga gatacaaaag gaattattag actacaaagg 240
aattggcatt agtggtcttg aaatgantca cangtcatca gattttgcct agattattan 300
caatacagaa aatcttggtc gggaattgct aactgttcca gacaactata angtgatttn 360
tctggcangg aagtgggtgc ggccaattca ntgctgtccc ttaancctca ttggcttgaa 420
agcangaaag tgtgcggact atgtngtgac aggaacttgg tcagctaagg gcgcanaaaa 480
aacc
```

484

<210> 839

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (237)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

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<220>

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<222> (454)

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<220>

<221> misc feature

<222> (462)

<223> n equals a,t,g, or c

<400> 839

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ccatgtattc ggctgctggc agagacttgg ggatggaacc gcacagagcc gcggggccctt 120
tgccagctgc gaattttcgc cctgacgttt tcaacggagg tgactatact gggcaattgc 180
tggaagaagat ttgccaatt gttgcttctg aatactcgat tgantgaaag ggttttnaat 240
tcatacgcg ggtagcccc aaatgttaca anttaaacag ncaaaacagt ccattggatg 300
cagcggtttt ccatggagac tgttcttacg gntgacaaag attttttgaa gcaagactaa 360
agntgtatta ggcattccca ttattaaggc ctggattacg ggggggcatt nctgcaatgc 420
tgtcnaaaat ncccgtnttt caagnggttt tttncctac tntggtttac aac 473
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<210> 840

<211> 279

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (31)

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<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (173)

<223> n equals a,t,g, or c

<220>
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<222> (229)
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<220>
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<222> (244)
<223> n equals a,t,g, or c

<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<400> 840
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tntctacata aaatacaaaa acttagatgg gcatgggtgct gtgngcctat agtcccacta 120
cttgtggggc taaggcagga ggatcacttg agccccggag gtcgaggcta cantgcgcca 180
agagtgcact actgtactcc agccagggca aggagagcga gaccctgtnt caaataaata 240
aatnaantta attaaataan taatttaaata aaaagcnaa 279

<210> 841
<211> 234
<212> DNA
<213> Homo sapiens

<220>
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<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
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<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>
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<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
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<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
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<222> (230)
<223> n equals a,t,g, or c

<400> 841
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aggnaaggnn tggcgaaacg gtgtattacc gtttgctacc agnnaagaac gtganganaa 120
gangggcacg aggcctggtt tttaaggagt gtcgccagag tgcctcgatg anacgggtat 180
tggcggtata tggagttaaa agatgaccan ctanangact gagctagtan cagg 234

<210> 842
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 842

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aaggcggcaa aaagggagcc aagaagaaa tggttgatcc attttctaag aaagattggt 120
atgatgtgaa agcacctgct atgttcaata taagaaatat tggaaagacg ctcgtcacca 180
ggaccaaaagg aacaaaaatt gcatctgatg gtctcaaggg tcgtgtgttt gaagtgaagtc 240
ttgctgattt gcagaatgat gaagttgcat ttagaaaatt caagctgatt actgaagatg 300
ttcagggtaa aaactgcctg actaacttcc atggcatgga tcttaccctg gacaaaatgt 360
gttccatggt caaaaaatgg canacaatga ttgaagctca cgttgatgtc aagactaccg 420
atggttactt gcttcgctgt tctgngntgg nntactaaa 460
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<210> 843

<211> 597

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (189)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<400> 843

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ccgctctaga actagtggat cccccgggct gcaggaattc ggcacgaggt ccttccgagg 120
aagctaaggc tgcgttgggg tgaggccctc acttcatccg gcgactagca ccgcgtccgg 180
cagcgccanc ctacactcgc ccgcgccatg gcctctgtct ccgagctcgc ctgcatctac 240
tcggccctca ttctgcacga cgatgaggtg acagtcacgg aggataagat caatgccctc 300
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attaaagcag ccggtgtaaa tgttgagcct ttttggcctg gcttgtttgc aaaggccctg 360
gccaacgtca acattgggag cctcatctgc aatgtagggg ccggtggacc tntccagca 420
gctggtgctg caccagcagg aggtcctgcc ccctccactg ctgctgctcc agctgaggag 480
aagaaagtgg aagcaaagaa agaagaatcc gaggagtctt atgatgacat gggctttggt 540
ctttttgact aaacctcttt tataacatgt tcaataaaaa gctgaacttt acaaaaa 597

<210> 844

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

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<222> (6)

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<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

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<222> (32)
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
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<222> (244)
<223> n equals a,t,g, or c

<220>
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<222> (276)
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<220>
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<222> (399)
<223> n equals a,t,g, or c

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<222> (402)
<223> n equals a,t,g, or c

<400> 844

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ggnggccgct ctagtaacta gtggatcccc cggnctgca gggaattcgg gcacgagcaa 120
gccaaagtgg gtgcnatata agtacatcca ggtagctatg gagaaagaag cagtctgatg 180
tcatgcgctt tcttctgagg gtccgctgct ggcagtaccg ccantctctt gctctccaca 240
gggnctcccc gccccaccgg gcctgataaa gcgcgncgac tgggctacaa ggccaagcaa 300
ggttacgtta tatataggat tcgtgttcgc cgtgggtggc gaaaacgccc agttcctaag 360
ggtgcaactt acggcaagcc tgtccatcat ggtgttaanc anctaaagt tgctcgaagc 420
cttcagtccg ttgcagagga gcgagctgga cgccactgtg gggctctgag agtcctgaat 480
tcttactggg ttggtgaaga tt                                     502

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<210> 845

<211> 601

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<400> 845

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gcnganacna accctcacta aagggaacaa aagctggagc tccaccgcgg tgacgaccgc 60
tctagaacta gtggatcccc cgggctgcag gaattcggca gagctttgct tttccatccg 120
cctttgatcg tcttctctt cagccatcca ggtaagccaa gatgggtgca tacaagtaca 180
tccaggagct atggagaaaag aagcagtctg atgtcatgcg ctttcttctg aggggtccgct 240
gctggcagta ccgccagctc tctgctctcc acagggctcc ccgccccacc cggcctgata 300
aagcgcgccg actgggctac aaggccaagc aaggttacgt tatatatagg attcgtgttc 360
gccgtggtgg ccgaaaacgc ccagttccta aggggtgcaat tacggcaagc ctgtccatca 420
tggtgttaac agctaaaagt tgctcgaagc cttcagtccg ttgcagagga gcgagctgga 480
cgccactgtg gggctctgag agtcctgaat tcttactggg ttggtgaaga ttccacatac 540
aaattttttg aggttatcct cattgatcca ttccataaag ctatcagaag aaatcctgac 600
a                                     601

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<210> 846

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

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<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (42)

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<220>

<221> misc feature

<222> (115)

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<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<400> 846

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ccgctctagc actagtggat cccccgggtc tgcaggaatt cggcacgagc gcagnaagcg 120
agatgacgag ggaacgtcat cgtttggaag gcgtcgcaat aagacgcaca ngttgtgccg 180
ncgctgtggc tctaaggcct accaccttca gaagtcgacc tgtggcaaata gtggctaccc 240
tgccaagcgc aagagaaagt ataactggag tgccaaggct aaaagacgaa ataccaccgg 300
aactggtcga atgaggcacc taaaaattgt ataccgcaga ttcaggcatg gattccgtga 360
aggaacaaca cctaaaccca agagggcagc tgttgcagca tccagttcat cttagaatg 420
tcaacgggta gtcattgcaat aaatgttctg gtttt 455

<210> 847
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<400> 847
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actagtggat ccccgggct gcaggaattc ggcacgaggt cgcggcgaca tggccaaacg 120
taccaagaaa gtcgggatcg tcggtaaata cgggacccgc tatggggcct ccctccggaa 180
aatggtgaag aaaattgaaa tcagccagca cgccaagtac acttgctctt tctgtggcaa 240
aaccaagatg aagagacgag ctgtggggat ctggcactgt ggttcctgca tgaagacagt 300
ggctggcggt gcctggacgt acaataccac ttccgctgtc acggtaaagt ccgccatcag 360
aagactgaag gagttgaaag accagtagac gtcctcttac tctttgagac atcactggcc 420
tataataa 428

<210> 848
<211> 348
<212> DNA
<213> Homo sapiens

<400> 848
tcgcggcgac atggccaaac gtaccaagaa agtcgggatc gtcggtaaata acgggacccg 60
ctatggggcc tccctccgga aaatggtgaa gaaaattgaa atcagccagc acgccaagta 120
cacttgctct ttctgtggca aaaccaagat gaagagacga gctgtgggga tctggcactg 180
tggttcctgc atgaagacag tggctggcgg tgcctggacg tacaatacca cttccgctgt 240
cacggtaaag tccgccatca gaagactgaa ggagttgaaa gaccagtaga cgctcctcta 300
ctctttgaga catcactggc ctataataaa tgggttaatt tatgtaac 348

<210> 849
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<400> 849
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aatacggggac ccgctatggg gcctccctcc ggaaaatggt gaagaaaatt gaaatcagcc 120
agcacgccaa gtacacttgc tctttctgtg gcaaaaccaa gatgaagaga cgagctgtgg 180
ggatctggca ctgtgggttcc tgcatagaaga cagtgnntgg cggtnctgg acgtacaata 240
ccacttccgc tgtcacgggt aaagtccgcc atcagaagan tgaaggagtt gaaagaccat 300
tagacgttcc tntantcttt gggacatcat tggntataa ttaatgggtt aatttttgggt 360
naaaa 365

<210> 850
<211> 276
<212> DNA
<213> Homo sapiens

<220>
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<222> (5)
<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<400> 850

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atcataggaa ctagntggat cccccagggc tgcaggaatt cggcacgagg ccgaaaggaa 120
agaaggccaa gggaaagccc agctgtcgtg aagaagcagg aggctaagaa agtggtgaat 180
cccctgtttg aagcctaaga attttggcat tggacaggac atccagccca aaagagactc 240
acccgctttg tgaaatggct atatcagggt gcagcg 276

<210> 851

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<400> 851

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gacgacagan gggggccccc gaagataagg ccgntcgctg acgcccgtgtt tcctcrttcg 120
gccgcgctgg tgaacaggac ccgtcgccat gggccgctgtg atccgtggac agangaaggg 180
cgccgggtct gtgttccgcg cgcacgtgaa gcaccgtaaa ggcgctgcgc gctgcgcgcc 240
gtggatttcg ctgagcggaa cggctacatc aagggcatcg tcaaggacat catccacgac 300
ccggggccgcg gcncgcccct cgccaaggtg gtcttccggg atccgtancg ttaagaagc 360
gngncggagc tgttcattgc cgccgagggc attcacacgg gccagtttgt gtattgccgc 420
aaaaaggccc                                     430
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<210> 852

<211> 420

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
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<221> misc feature
<222> (92)
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<220>
<221> misc feature
<222> (101)
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<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
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<222> (247)
<223> n equals a,t,g, or c

<220>
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<222> (263)
<223> n equals a,t,g, or c

<220>
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<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
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<220>
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<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
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<222> (404)
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<220>
<221> misc feature
<222> (411)
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<220>
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<222> (418)
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cgttcaagat tcagcttcac ncgnaagcca cnggcattggc ngaggaaggc attgctgctg 120
gaggtgtaat ggacgttaat actgctttac aagaggttct gaagactgcc ctcattcacg 180
atggcctagc acgaggaatt cgcgaagctg ccaaagcctt agacaagcgc caagcccatc 240
tttgtgngct tgcattcaac tgngatgagc ctatgtatgn caagntggng gaggcccttt 300
gngctgaaca ccaaatnaac ctaattaagg gttgatgaca acaagaaact aggagaatgg 360
gtaggccttt gnaaaaaatga cagagagggg aaaccccgna aagnggttgg nttgcagntg 420

<210> 853
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (127)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<400> 853

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ctcgtgccga attcggcacg agccgccatc atgggtcgca tgcattgctcc cgggaagggc 60
ctgtcccagt cggctttacc ctatcgacgc agcgtcccca cttggttgaa gttgacatct 120
gacgannnga aggagcagat ttacaaactg gccaaagaagg gccttactcc ttcacagatc 180
ggtgtaatcc tgagagattc acatggtgtt gcacaagtac gttttgtgac aggcaataaa 240
attttaagaa ttcttaagtc taagggactt gctcctga 278
```

<210> 854

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<400> 854

```
gcggnacgnt ggaccgggggt ccttcctgtgc gcgttgatat gattggccgg cgaatcgtgg 60
ttctcttttc ctctttggct gtctgaagat agatcgccat cgtnaacgac accgtaacta 120
tccgcactag aaagttcatg accaaccgac tacttcagag gaaacaaatg gtcattgatg 180
tccttcaccc cgggaaggcg acagtgccta agacagaaat tcgggaaaaa ctagccaaaa 240
tgtacaagac cacaccggat gtcattctttg tatttggtt cagaactcat tttggtggtg 300
gcaagacaac tggctttggc atgatttatg attccctgga ttatgcaaag aaaaatgaac 360
ccaaacatag acttgcaaga catggcctgt atgagaagaa aaagacct 408
```

<210> 855

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<400> 855
gggtcgaccc acgcgtccgc tatgacacca aggggtcgctt tgctgtacat cgtattacac 60
ctgaggaggc caagtacaag ttgtgcaaag tgagaaagat ctttgtgggc acaaaaggaa 120
tccctcatct ggtgactcat gatgcccgca ccatccgcta ccccgatccc ctcatcaagg 180
tgaatgatac cattcagatt gatttggaga ctggcaagat tactgatttc atcaagttcg 240
acactggtaa cctgtgtatg gtgactggag gtgctaacta gggaagantg gtgtgatcac 300
caacagagag aggcacccctg ggatcttttg gacgtgggtt cactngaaag atggccaatg 360
ggaacagctt tgccaantcg anttttccaa catttttgtt anttgggcaa ggggcaacaa 420
anca 424

<210> 856
<211> 608
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (529)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (537)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (555)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (599)

<223> n equals a,t,g, or c

<400> 856

```
gggcatcttt cgggacaatt ggcacaagcg ccgcaaaacc gggggcaaga gaaagcccta 60
ccacaagaag cggaagtatg agttggggcg cccagctgcc aacaccaaga ttggcccccg 120
ccgcatccac acagtccgtg tgcggggagg taacaagaaa taccgtgccc tgaggttgga 180
cgtggggaat ttctcctggg gctcagagtg ttgtactcgt aaaacaagga tcatcgatgt 240
tgtctacaat gcatctaata acgagctggn tcgtaccaag accctggtga agaattgcat 300
cngnctcatc gacagcacac cgtaccgaca gtggtaccna gtcccactat gcgctgcccc 360
tgggcccgcaa gaaggagagcc aagctgactc ctgaggaaga agagatttta aacaaaaaac 420
gatctaaaaa aattcagaag aaatatgatg aaagggaaaa agaattgcaa aatcaagcaa 480
gtcttctgga ggagcagttt cagcagggca agcttcttgc gtgcatcgnt ttaaggnccg 540
gacagtgtgg ccgancagat ggctatgtgc taaanggcaa agagtggagt ctatcttang 600
aaaacaag                                         608
```

<210> 857

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<400> 857

```
ggcacgagtg gggccgtctt cctcatcctt cctttttctc ggggctcccg tggagccacc 60
tggacatgag acccgccctc aatgccgaag cctctcggaa gcaatctttc gggacggaag 120
ttaagtagcc ccgagcggga ggctgtggcg gaagtggtcg cgttaccgck tgtttggtcg 180
catgcgccac tctcgtctgg ccgcccgcgt ttcaggaggt gcttttggtt ctctccggtc 240
ttgtccacgc taggggggtgc acgtackccc aactgtggtc gcgctctcac cccttctgct 300
gckctcgtgg cccctcgcg atggcgggca tcctgtttga ggatattttc gatgtgaagg 360
atattgancc ggaaggcaag aagtttganc gagtgtctcg ackgcattgt gagagtgaay 420
ttycaagatg gvwbkaaacn aagakgtaaa 450
```

<210> 858

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<400> 858
gaaaanacnn gaaccannan gaagaatcga aagagctntg ncagncttnc tcaaaaagtc 60
cggggaagctg aaagtccccg aatgggtgga taccgtcaag ctggccaagc acaaagagct 120
tgctccctac gatgagaact ggttctacac gcgagctgct tccacagcgc ggcacctgta 180
cctccggggg ggcgctgggg ttggctccat gaccaagatc tatgggggac gtcagagaaa 240
cggcgtcatg cccagccact tcagccgtgg ctccaagagt gtggccccgcc gggtcctcca 300
agccctggag gggctgaaaa tgggtgaaaa ggaccaagat ggcggtcgca aactgacacc 360
tcagggacaa agagatctgg acagaatcgc cggacaggtg gcagcttcca acaagaagca 420
ttagaacaaa ccatgctggg gtaataaatt ggcctnattc gtaaaaa 467

<210> 859
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (403)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<400> 859

```
gggtcgaccc acgcgtccga aaaactgttnn gggagcttga caaaggcatg caggagagaa 60
caggagcagc cacagccagg agggagagcc ttccccaagc aaacaatcca gagcagctgt 120
gcaaacaacg gtgcataaat gaggcctcct ggaccatgaa gctagtcctg agctgcgtcc 180
cggagcccac ggtggtcatg gctgccagag cgctctgcat gctggggctg gtcctggcct 240
tgctgtcctc cagctctgcg agggagttac gtggggcctg tctgccaaac cagtgtgccg 300
tgccagccaa ggacagggtg gaattgcggc ttaccccat gttcaccccc aaggattgca 360
aaaaccgggg ttgctgcntt tgaattccag gatccnggat ggncttggtg ttttcaagcc 420
cntgccagga agcagaagca c                                     441
```

<210> 860

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<400> 860

```
tgggctacct gcattcactg aacatcgttt atagagactt aaaaccagag aatattttgc 60
tagattcaca gggacacatt gtccttactg acttcggact ctgcaaggag aacattgaac 120
acaacagcac aacatccacc ttctgtggca cgccggagta tctcgcacct gaggtgcttc 180
ataagcagcc ttatgacagg actgtggact ggtggtgcct gggagctttc ttgtatgaga 240
tgctgtatgg cctgccgcct ttttatagcc gaaacacagc tgaaatgtac gacaacattc 300
tgaacaagcc tctccagctg aaaccaaata ttaccaattc cgcaagacac ctcttggaag 360
ggctcctgna gaaggacang acaaagcggc tcggggggcaa nggtgacttc atggagatta 420
aga 423
```

<210> 861

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (392)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (403)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (425)

<223> n equals a,t,g, or c

<400> 861

```
ggcacgagct cgtgcgcttt ggggctgctg ggactcgcgt cgggtggcga ctcccggacg 60
taggtagttt gttgggcccg gttctgaggc cttgcttctc tttacttttc cactctaggc 120
cacgatgccg cagtaccaga cctgggagga gttcagccgc gctgccgaga agctttacct 180
cgctgaccct atgaaggcac gtgtggttct caaatatagg cattctgatg ggaacttggtg 240
tgttaaagta acagatgatt tagtttgttt ggtgtataaa acagaccaag ctcaagatgt 300
aaagaagatt gagaaattcc acagtcaact aatgcgactt attgtagncc aaggagcccn 360
caatttacca tgggaactga gtgaatggtt tnaatgagac ttntcgggta cttagggagt 420
aaaancctt                                     429
```

<210> 862

<211> 596

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (554)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (557)

<223> n equals a,t,g, or c

<400> 862

```
cgcggggcg cncgctctag aactagtgga tcccctgggn ctgcaggaat tcggcanagg 60
naagtctccc agaagacagt gattatcaag gaagaggaag aagatactgc agagaagcca 120
gggaagggaag aggatgtcgt gactccaaaa ccagncaaga gaaagagaga ccaggcagag 180
gaggagccca acagaataacc aagccgcanc ctccgacgga ccaaacttaa ccaagaatca 240
acagccccc aagtgtctctt cacaggagtgt gtggatgtctc gggganancg ggctgtgtctg 300
gcatgggggg aaatctgggt gggttcacggt caaagcttcc cacnggttca tggatcgcat 360
ccgccggaca ttcaattcct gtgtggccct ggggcggggn attccccatt ctgttccngg 420
gatgggtggc atcattcccg tcaagctgggt tttcttctta ccccgatga atatgtggtg 480
aacgaccngg cnccaanaga agaatttggc tttactttca agacgcattg agcagggtcc 540
gganngaagg tgcntanaag ggtatgaatt tatgtgaacc tggatccacc acacca 596
```

<210> 863

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (434)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<400> 863

ggcagcttgg cagtgaccaa gaatgatggg cactaccgtg gagatcccaa ctggtttatg 60
aagtatgtgg cccccaggga gcttgggtct ccgcacgggg tgggaggtgg cttgttctaa 120
ggagcttgcg agaaggatta ggggaagcag atagccaaga aaggataaag tgaggggtctg 180
ggatggggaa taatgggtcc ttaatactcc ttgaccctc cctttccacc ctctgcgct 240
cagtctccct agcctatgag gcaagctaga ttagggaaaa aaagtgcaca ggaaggcaat 300
ggggattggg ctaagacgta acacagggat cagaaaacgg gtggaaaaca cacatttcta 360
ncaagtcttt aacccggttc ctcccccttct taggaaagcg cagagcttaa gangggantt 420
cacagagagc cagnngcagg a 441

<210> 864

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<400> 864

gacatcacca cggcggcagc catttaaacc cctcaccag ccagcgcccc atcctgtctg 60
tccgaaccca gacacaagtc ttactcctt cctgcgagcc ctgaggaagc cttctttccc 120
cagacatggc caacaagggt ccttcctatg gcatgagccg cgaagtgcag tccaaaatcg 180
agaagaagta tgacgaggag ctgggaggag cggttggtgg agtgggtcca tagtggcagt 240
gtgggccctg atgtggggcc ggcccagacc gtggggcgct tggggctttc caggttntgg 300
cttgaagatt ggcgttgatt tntgnagcaa gctgggttg aacagcntnt tacc 355

<210> 865

<211> 499

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<400> 865
aattcggcac gagactggac caaattagac agagagaatc agatatcacc aaggagagaa 60
ttcagaagat cctggcaact ggtgccaatg ttattctaac cactggtgga attgatgata 120
tgtgtctgaa gtattttgtg gaggctggtg ctatggcagt tagaagagtt ttaaaaagg 180
accttaaacg cattgccaaa gcttctggag caactattct gtcaaccctg gccaatttgg 240
aagggtgaaga aacttttgaa gctgcaatgt tgggacaggc agaagaagtt gtacaggaga 300
gattttgtga tgatgagctg atcttaatcn aaatacctag ggncgacggt ttnatcggtt 360
tttttcgggg ggcaaaattt tcccggtnnt ngggnggggg ccttttnaaag gncctttttg 420
ggagngnttt tgggnaaatt gggnccccgg gggtttttaa gnccntctnt cccaaaattn 480
ccccagggtg ggacctttt 499

<210> 866
<211> 353
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<400> 866
attgctggaa aactgcagga tggactcttg nacatcacta nntgnagttt tntggctccc 60
tggaacagcc tgagcttagc tcncgccggg gcttcaccaa gacctacact gttggctgta 120
aggaatgcac agtgtttccc tgtttatcca tcccctgtca aactgcagag tggcactcat 180
tgcttggtga cggaccagct cctccaaggc tctgaaaagg gcttccagtt cccgtnaacc 240
ttgnctggnc tgacctcggg aagcnagggg ctgtgacacc tggnagtgcc ctgnggtnc 300
cagaatagcc tggaatcctg tcccgaagtt ggtaagttgg aagcctttna cat 353

<210> 867
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<400> 867

```
ccgcgcgcgc gtcgcgcgcgc cgccgcgcgc gccgcagacc cctcgggtctt gctatgtcga 60
gctcacccgt gaagcgtcag aggatggagt ccgcgctgga ccagctcaag cagttcacca 120
ccgtgggtggc cgacacgggc gacttccacg ccatcgacga gtacaagccc caggatgcta 180
ccaccaaccc gtccctgatc ctggccgcag cacagatgcc cgcttaccag gagctgggtgg 240
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ctattgntaa actttttgtg ttgtttggag cagaaatact aaagaagatt ccgggccgag 360
tatccacaga atagacgcaa ggctctcctt tgataaagat gcgatgggtgg ccagagccag 420
gcgntcatc gagctctaca aggaagctgg gatcagcaag accgaattct tataaagctg 480
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cccgttccgc tgcccgcctt gccaccatga cggaacaggc catctccttc gccaaagact 180
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caagctgctg ctgcaggctc agcacgccag caagcagatc gccgccgaca agcagtacaa 300
gggcatcgct gactgcattg tccgcatccc aaggagcagg cgtgtgtcct tctggagggn 360
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caacctgcaa ggagctggcc agccagcctg atgtggatgg cttccttgtg ggtgggtgctt 240
ccctcaagcc cgaattcgtg gacatcatca atgccaaaca atgagcccca tccatcttcc 300
ctacccttcc tgccaagcca gggactaanc agcccanaag cccagtaact gccctttccc 360
tgcatatgct tctgatgggt tcattctgtc cttcctgnng cctcatccaa actgtatctt 420
cctttacttg ttatatcttc accctgtaat ggttgggacc aggccaatcc cttctccact 480
tactataatg gttggaacta aacgtcacca aggtggcttc tccttggctg agagatggaa 540

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<210> 870

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<212> DNA

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 cgagctgcag actctncagg acatcctcgg ggaccctggg gacaaggccg acgtgggncg 180
 gntgagccct naggttaagg cccggtcaca gtcagggncc ctggacgggg aaagtncctgc 240
 ctggtcgggtc tcgggcgaag acagtnggga ncagcccagag ggtcccttga cttccaggtn 300
 cccccgggtc gcccaagtgg nctccggccc cgtaggttac aacatttncg antnngnccc 360
 atcacgcnag ggcaaganat tagagaggga cgctttaaga gcagagcàca gcttnattca 420
 gagaagttcc aggataaccc anttcgtttc ttgagtttac atcccttttt tggnggataa 480
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<210> 871
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cgccgcacag ctgctgagaa tgagtttggtg gtgctgaaga aggatgtgga tgctgcctac 180
atgagcaagg tggagctgga ggccaagggtg gatgccctga atgatgagat caacttcctc 240
aggaccctca atgagacgga gttgacagag ctgcagtccc agatctccga cacatctgtg 300
gtgctgtcca tggacaacag tcgctccctg gacctggacg gcatcatcgc tgagggtcaag 360
gcacagtatg aggagatggc caaatgcagc cgggctgagg ctgaagcctg gtaccagacc 420
aagtttgaga ccctncaggc ccaggctggg aagcatgggg acgacctccg gaatacccgg 480
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aagaaccagc gtgccaagtt ggaggccg 568

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aaccangttc tncatgatcaa atatcactct cctacttaca ggaactcaac atactagtgc 180
acagcccnat actcccnntg acatattttac cacaacacaa nggggggt 228

<210> 873
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<212> DNA
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cctctcccct gagtgggaaa ggagctcttg gggctggtcc ttcagcacag aggaggggtc 180
actgaaagcg ttattgacca gctgctgtac cttctgcac tcactccacg ctactgcct 240
ttttctcttc cttgcatttg ctccctgtgcc tgtgccggct cctgcaaata caaagatgca 300
aatgcacntc cttgcaanaa gagtgantgc aggcctttcc tgcgaatntg ggggatgggc 360
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<210> 874
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<210> 875
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<212> DNA
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ggaagaggat ggagatgaag atgaggaagc tgagtncagt tacgggccaa gcgggcagct 180
gaagatgatg aggatgacga tgtcgatacc aagaagcaga agaccgacga ggatgactta 240
gacagcaaaa aaggaaaatt taaacttaaa aaaaaaaagg ccnccgtgac ctttttacc 300
tccatttccc ttttcagatt ttaaactgtg tcacctttcn gttagaagg ccccccnnc 360
cancnttggg aattccentt tccnnnttt nncagggtt ttttcannnn cccnnnccn 420
aaccttgggn tttttnaana gggngggna aaannnccca atttttnngg nccntttttt 480
tttttnaaan ntttttnnan ggntttt 507

<210> 876

<211> 190

<212> DNA

<213> Homo sapiens

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gcataatata gcaaggacta acccctatac cttctgcata atgaattaac tagaaataac 180
ttttgcaagg 190

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<211> 315

<212> DNA

<213> Homo sapiens

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ggtttttggg gttgttctcg gtttgcagga accctggtaa ttagtcttgc ccccttctc 180
ccagctcact cgcttgggct tgcacagtac attggaacgt gcgggttcta ttttgatttc 240
gacgtgccgg atcgaaatag agctcgcggn actgcgaaga ccacagtagg aagttaagga 300
cggggtcagt gctga 315

<210> 878

<211> 295

<212> DNA
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cactacncag cncctcngca cngaggaaat ntttccccc acatngactc cnggcctaca 180
tcagccaaac nnaaccnngg tgggggttgg atttgatagc caatnagttc tgtgctggtt 240

gcaaagaatt gatanttag atggnntnta atacntcagc agatttgtct ttncg 295

<210> 879

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<400> 879

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aatctagacc ctctggaggc tgtagaatgt gaaaagatac agctgagctg acaagtttta 120
gggcactatc ttctggaatg aaatcggcca agaaaatggt tcaagggcat gggggttaga 180
gaatgtttct ttacctaata aatgttaagc caactatgga agattggggc cgtgggggca 240
tgaaatacaa aattatgata atttatacag aactaggttt ctttatgttc tgcaagaagg 300
tttttattag ctaatttggg gaggggggcc atgctgcagt attttttttc ctggggaaca 360
tgccatttct gatggggaag ttattttgtt tacaagagtt ggtttaccac acaaccctga 420
atgaatgtgn caatggccta a 441

<210> 880

<211> 112

<212> DNA

<213> Homo sapiens

<220>

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<222> (97)

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<222> (105)

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<222> (106)

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<220>

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<222> (109)

<223> n equals a,t,g, or c

<220>

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<222> (111)

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ggcanagcgg cattgggagg ggcgctctga gattaaagag ttttacctct gaaaaaaaaa 60
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaaa aaaannaana na 112

<210> 881

<211> 162

<212> DNA

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<220>
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ccaagacatg aacatttttta gctgtaactt aactattaag gcctttttccc acacgcntta 120
atagtcccat tttctntttg gncattngtg gctntgcccc at 162

<210> 882
<211> 117
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<400> 882

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa naaaaaaaaa aaanaaaana aanaaan 117

<210> 883

<211> 452

<212> DNA

<213> Homo sapiens

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<222> (55)

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<222> (440)

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<222> (448)

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<220>

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<222> (451)

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<400> 883

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ccgcccacgc gtccgctcgt gccatgatct gtattttaatg gtttttattt ctggggtgca 180
tttgagagaa gccacgctgt cctctcgagc ccagatggaa agacgttttt gtgctgtggg 240
cagcancctc ccccgacgcg gggtaggga agaaaactat cctgcggggt ttaatttatt 300
tcattccagtt tggtctccgg gtgtggcctc agccctcaga acaatccgat tcacgtaggg 360
aaatgtttaa ggantttctgc agctatgngc aatgtggcat gggggggcgg gcagtcctgc 420
ccatgtgttc cctcatctgn tcagccancg nc 452
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<210> 884

<211> 340

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (206)

<223> n equals a,t,g, or c

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<222> (251)

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<220>
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cggcggtcc gtggcgtttt gggccggggg tcgcctttcg cgcgccagc attcacgggg 180
gctccggcgg ccgcggcgta tccgtntcct ccgcccgtt tgtgtcctcg tcctcctcgg 240
gggcctacgg nggtggntaa ggnnggggtc ctgaaccgcn tncnaacggg gtgctgggcg 300
ggcaacgagg aagcttaaac catgcagaac ctnaacgacc 340

<210> 885
<211> 52
<212> DNA
<213> Homo sapiens

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<220>
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<220>

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<222> (49)

<223> n equals a,t,g, or c

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52

<210> 886

<211> 303

<212> DNA

<213> Homo sapiens

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<222> (118)

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caggtgcgtg tctgaagatc ttggttttgc tgtgcttgan acacagctga tgctttannn 120
gctcaggttt actggcttta taacagtngg cataacgcct aaagcatccc ctctgcacgt 180
gactgagcat gtncttaacc agaggagctg aacggagtgc agaaaatagt agttttaggg 240
cttagtgagc agaggaagca gcttctctgg tgctttattt aatagaacat ttaagagtgc 300
tca 303

<210> 887

<211> 649

<212> DNA

<213> Homo sapiens

<220>

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<222> (201)

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<220>

<221> misc feature

<222> (206)

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<220>

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<222> (262)

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<220>
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aggccctcgc gtcttgctga gcccggggag ttaggatgac gcgagcggtg agggagcccg 120
gaacgattcc ttcgcggaac aattgaggcg aagccttttg gagtactttg tgggacggac 180
cctggcgggc cctgccanac ncacanggat ggcggcggaa gcggccgatt tggggctggg 240
ggccgcccgc cccgtggaac tnaagcggga gcgacgcgag gtgtgcgtgg agtaccggg 300
aattggtgcg tgatgtggct aaaatgctgc ccactctggg cggggaaaga aaggggtctc 360
cccggatctt acccagaanc ccccnagaa agcttgggan cttgtttctt cccggggccc 420
aaggaaccca ttacttgncc ccccccngtg tttgggcccc aaccgcgttt ccanttacca 480
ancaancctt gcttgcttcc ccctttccnn ggnaaaaaaa aaaacaaaag ggggggggaa 540
aaaaaagggg ttntcttggg ggccccttta aaggnccccc tncnnaagg ttcccctttt 600
tgaaaattgg gaaaaatcct ntggggggttc cttcttcccc ccccttttt 649

<210> 888
<211> 72
<212> DNA
<213> Homo sapiens

<220>
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<222> (53)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (68)

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<400> 888

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<210> 889

<211> 238

<212> DNA

<213> Homo sapiens

<220>

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taagnttgcc aacttcttnc cctgaacagc atttntcttg ttttgatacc cacctacact 120
tatattagaa angnntgca aactatttag ngactccnct ttnaattnat ggncgtatgc 180
ctnaagaatg ttttgaaata taaagcctat cccgtttgcc cagnttgtaa atttcagg 238

<210> 890
<211> 225
<212> DNA
<213> Homo sapiens

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<222> (224)
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cgtggagctg gcctcggcct cggcatcggg agaggetgga cttcctgtct ctctgtgctg 120
aanggctgcg atggcgcccg ctctcactga cgcagcagct gaagcacacc atatccggtt 180
caaantggct ccccatcct ctancttgct ccctggncag tgnng 225

<210> 891
 <211> 130
 <212> DNA
 <213> Homo sapiens

<220>
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<220>
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 <223> n equals a,t,g, or c

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 aattcactgg ccgtcgtttt acaactncgn gatganggaa atntaaaata cttccgagct 120
 cgtatgttnt 130

<210> 892
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 892
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 gaacatttga aagaactgca aattgtcctt gccagctctt gggatccttg gatacctggg 120
 gccatttaag aagctagggg aattaggcca caacaccccc tgggacatcc gaaagctaca 180
 ccacagatgc cagtggttca tgccttcttc ccgcaacttt aggaaaattt atttatttat 240
 tgtttatttag ttatgggggg agaggggaga tttaaaggac cagggacatg ggaaccaagc 300
 catagggatc agaggggctt gtccttgaac actactgggg tatattcagg ctcattccacg 360
 cagctgctgg gttcttgccc taacggccct cccctgcaac atccgtcttg gaggagaggc 420
 t 421

<210> 893

<211> 307
<212> DNA
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<220>
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<222> (228)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (289)
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<222> (305)
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<220>
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cagttttgta agagaagtga tttgaatata tttttctgga actattcata atatgaagtt 180
ttcctagaac cactggagtt tctagtttaa tagtttgcta tgcaatgnac cacctaaaac 240
aatactttat attgttattt ttngaaaga ctcaaaacac ctgtaattnt aaaccttaat 300
atganan 307

<210> 894
<211> 453
<212> DNA
<213> Homo sapiens

<220>
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<222> (5)
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<220>
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<222> (76)

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<220>

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<222> (129)

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<222> (403)

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<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

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<222> (453)

<223> n equals a,t,g, or c

<400> 894

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tatcccaaca aattanactc ccctctgtca tgtcaatatt ggaattgtag ctcacaggtg 120
tttgcttana tcagtcattcc agagaggaag aatgatagag aaaacttgtg ctctgacact 180
actgattctt acatagtggg acaatatctt tcttgataat gaattgtagt tattataaat 240
cgggtgatcac gtgaccctaa aggcacccaa ataaatcttt agtaaaataa ttctgatgac 300
acaatgaatg aattatTTTT aaggcatttt cttggactag caatgtattc ttagagtggc 360
gactgaatgt gcatacctca atgatccatg ttttactcat tcnnnggtcc ccaggccacc 420
cagggcaacc aggccctcct ggacctcctg ggn                                     453
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<210> 895

<211> 596

<212> DNA

<213> Homo sapiens

<220>

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<222> (11)

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<222> (283)

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<222> (312)

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<222> (457)

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<222> (475)

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<222> (537)

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<220>

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<222> (553)

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<220>

<221> misc feature

<222> (570)

<223> n equals a,t,g, or c

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caaggggaaag atgaaaaatt atagccaagc ataatatagc aaggactaac ccctataacct 120
tctgcataat gaattaacta gaaataactt tgcaaggaga gccaaagcta agacccccga 180
aaccagacga gctacctaaag aacagctaaa agagcacacc cgtctatgta gcaaaatagt 240
gggaagattt ataggtagag gcgacaaacc taccgagcct ggngatagct ggtgcccaaga 300

tagaatctta gntcaacttt aaatttgccc acagaaccct ctaaatcccc ttggaaattt 360
aactggtagt ccaaagagga acagctcttt ggacactagg aaaaaacctt ggagagagag 420
taaaaaattt aacaccata gtaggcctaa aagcagncac caattaagaa agcgntcaag 480
ctcaacaccc actacctaaa aaatcccaaa catataactg aactnctnac acccaantgg 540
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<210> 896

<211> 351

<212> DNA

<213> Homo sapiens

<220>

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<222> (183)

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<400> 896

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gcacaagttt cagcgagaga aggagaaaac tgccttggtt ggaaccttgc agtgcagggg 120
aaggggtgtg gcggcctttg ctggggaaat ggcgagacgac aagtggggcg gaggaggcct 180
gcntccggaa agtcagtaga attcatcaca agagagctac aagagcctgg aagaagctga 240
agacttgcta ccctccatcc ttacttcacc ctgggacctg aggagacctc ttcaatcaga 300
aatggaaaca gagagattct cctgggaaac ccctgcccc taaacggccc t 351

<210> 897

<211> 72

<212> DNA

<213> Homo sapiens

<220>

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<222> (5)

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<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<400> 897

ggcanaggna gagagagaga gagaactagt ctcggtgtttt tttttttttt ttttgggna 60
aaaatttnat tt 72

<210> 898

<211> 383

<212> DNA

<213> Homo sapiens

<220>

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<222> (87)

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<220>

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<222> (176)

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<223> n equals a,t,g, or c

<220>
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<222> (366)
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<400> 898
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cacgaggcaa ccgctccgga acgccangtg ggggcgaggc gtctcgaggt ctgagagaca 120
ccaaggcccc tgcgacaagg tggctgcagc taggccgggg gcgtcaggac gacggnagcg 180
ggttcgggtc ggtgacacgc agacctgagg gagctgggcc cgcntnttcc gcccgcgccc 240
cagcccttgc agatcgagat ttgcgtccta nnatggggaa aaaagcagag gccagggcgc 300
cgattttatt tggagagaag caagcttctt tgnctcttt tgggattagg aaatttcana 360
cntggnaaaa atggtgtgtg gtt 383

<210> 899
<211> 172
<212> DNA
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<220>
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<222> (115)
<223> n equals a,t,g, or c

<220>
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<222> (131)
<223> n equals a,t,g, or c

<220>
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<222> (143)
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<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<400> 899

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ccaactgctc ttgcgccact ggtggctcct gcacgtncgc cggctcctgc aattncaaag 120
agtgcaaag nacctcctgc aanaagagct gctgttcctg ntgccccgtg ga 172

<210> 900

<211> 101

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

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<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (99)

<223> n equals a,t,g, or c

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ctccttcacg aaaccgactc ggctgtggnc accgcgcgc g 101

<210> 901

<211> 358

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

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<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

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<222> (97)

<223> n equals a,t,g, or c

<220>

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<222> (335)

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<220>

<221> misc feature

<222> (341)

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<220>

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<222> (348)

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<220>

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<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

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gctagctgcc cctttcccg cctgggcacc ccgagtntcc cccgaccccg ggtcccaggt 120
atgctccac ctccacctgc cccactcacc acctctgcct agttccagac acctccacgc 180
ccacctggtc ctctcccatc gcccacaaaa gggggggcac gaggggaacga gcttagctga 240
gctgggagga gcagggtgag ggtgggcgac ccaggattcc ccctcccttc ccaattaaag 300
atgagggtat taaattgtct tggtttttaa tttantatta ntttttnt nt tttccan 358

<210> 902

<211> 423

<212> DNA

<213> Homo sapiens

<220>

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<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
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<222> (407)
<223> n equals a,t,g, or c

<220>
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<222> (420)
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aggatagcat gccacctgca actcactgca tgaccctttc tgtatattca aacccaagct 120
aagtgttcc gttgttttcc aaggaaacaa agagtcaaac tgtggacttg attttgtag 180
cttttttcag aatttatctt tcattcagtt cccttccatt atcatttact tttacttaga 240
agtatccaag gaagtctttt aactttaatt tccatttctt cctaaaggga gagtgagtga 300
tatgtacagt gttttggaga tgtatacata tattccagaa ctngggggaa tcttattaag 360
ttatggatat accaccgtaa cggtcnaaaa ngtttaaaga acccatncgg taaggtaatn 420
ggg 423

<210> 903
<211> 362
<212> DNA
<213> Homo sapiens

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<222> (116)
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<220>
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<222> (177)
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<222> (273)
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<222> (305)
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (351)
<223> n equals a,t,g, or c

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agtnagggct gagtgggtat caccttctcg gtgagaaaat caatttcctg agagtnttgt 120
aaactaggac ttagagtact aatcatggtg tttttcagaa attatatata tatttttnaag 180
tcagggctc accgtgtcgc ccaggctgga ggcagagggt gtggctcgtg ccgaattcga 240
tatcaagctt atcgataccg tcgacctcga gnggggggcc cggtagccaa ttcgccctat 300
tagtnagtng gtattacaat tcaactgggcc gtcgttttta aaacgggggt nactggggaa 360
ac 362

<210> 904
<211> 309
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<222> (179)
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<220>
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<222> (278)
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<222> (292)
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<220>
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<222> (294)
<223> n equals a,t,g, or c

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ggcgggtccgg ctctcgatgg tggcgtgacg ggggcggggg tggcggngcg ttctcctcgg 120
ttgggaagga accagcccgc gaaccaggn cgggaagggg gntcggcctn ngggggaang 180
gactgacatg tctctcgaag accccttttt tgtagtccga ggcgaggtgc agaaagcgg 240
gaacacgggn ccgcgggctg taccagngct ggtgcganct cctgcaagaa ancncggcgt 300
tcggaacgc 309

<210> 905
<211> 388

<212> DNA
<213> Homo sapiens

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<222> (66)
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<222> (318)

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<222> (364)

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<220>

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<222> (375)

<223> n equals a,t,g, or c

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<222> (381)

<223> n equals a,t,g, or c

<400> 905

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nnctgnaccc aggagcagct gcaccacttg naaagtcgcc tcactctcta agcactcctt 120
tcccctgnng tccccttcga accctgaagc cctctgggtg gcgctctgcc cgatgcacag 180
ccacctaagc nagccccag gttagaaacg tgggttaaag ctcttgccctg ccccgtaaaa 240
gcttcactcc naccctttta agcgtcctgc cccttcacct tgaacccggg ttccccatt 300
ccanttcctg ggctttgnca tgatttggtt ggttcaatgg ttccttcttt cctgaggggg 360
cttnagggtt ttggnngggg ntaagggtt 388
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<210> 906

<211> 349

<212> DNA

<213> Homo sapiens

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<222> (17)

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<222> (91)
<223> n equals a,t,g, or c

<220>
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<222> (170)
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<222> (316)
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aggggtgtgtt tcaacttatg tacgtactgt ntcatgcagg tttatagcac ggtagagtag 120
aaggcggtct ctgatttttaa gggtattttt agaattcatt cctgaatgan gggttcagac 180
accagtcctc ctcggaacag gggtgagggg tcgactganc tttgttgaga agcctccagt 240
taaggcttcg ggcgggtctc catgttgtat tgtgtgttta ctgagcttcc cactgggttag 300
aagatgacac atttgnccat cgtcctgtgt atctganatt cccagggga 349

<210> 907
<211> 469
<212> DNA
<213> Homo sapiens

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<220>

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<222> (141)

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<220>
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<220>
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<222> (460)
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<222> (462)
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<220>
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<222> (465)
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cgatagaaat tgaaacctgg cgcaatagat atagtaccgc angggaaaga tgaaaaatta 120
taaccaagca taatatanca nggactaacc cctatacctt ntgcataatg aattaactag 180
anataactnt gcaaggagag ncnaagctaa gaccncgaa accagacgag ctacctaaga 240
acagntaaaa gagcacaccc gtatatgtag caaaatagng ggaagattta tnggtagagg 300
cnacanacct accgagcctg gngatatgct ngntgtccaa gataagaatc ntaggttaac 360
ttttaaattt ggccacagaa ccctttttaa tcccnttgga aattttaactg gtaagcccaa 420
agaggaacaa gtttttttga cactngggaa aaaaccttgn anaanagag 469

<210> 908
<211> 95
<212> DNA
<213> Homo sapiens

<220>
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<222> (78)
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<220>
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<223> n equals a,t,g, or c

<220>
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<220>
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<222> (93)
<223> n equals a,t,g, or c

<400> 908
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aaaaaaaaaa aaaaaaannn nggggggggc ccngt 95

<210> 909
<211> 373
<212> DNA
<213> Homo sapiens

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<222> (337)

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<222> (367)

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<220>

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<222> (372)

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<400> 909

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tttcctgccaa aaagtgccan agatcaactt ggaaaacaaa atcctcacag agggagagta 120
aagaacactt gattagtctc attagcacct gtagctactt ttctaaagtt aattcctgaa 180
ggcccttgaa agcttcacta tgagattgaa tttgcaccat tncncaatg gtctttgcaa 240
tgagggatgg gggatagtgt gatggtcctt nccaaccatc cctggaagaa gaagccaaaa 300
aactttttcc cgaaaggagt tctttcaccn aagnagntcc catctgggca ggaaattacc 360
tccgggnaac ana 373
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<210> 910

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (516)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (624)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (627)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (691)

<223> n equals a,t,g, or c

<400> 910

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ggcaatacat ctaccactc cattatTTTT taaaacttca tttaatagtt taaacaagat 120
tggttttTgtt ttcaattttt attcactctt catagaatca caattacctt tatatatcat 180
atgttattgg aagagattcc tcagtaatct ccaatctctc atagtgcctc acaggggttg 240
tcaatggctt ttggaactgg aaggacctta gaacttatct gttatgctcc tgatagccaa 300
tagcagatag aagcttgcaa tcaagagggt aggacatgtg ttcttcaatg gatatcaaag 360
gaagagggtg caaaccaaag ccatttggca agccctgtag cctgggccat ttaagacagg 420
ggcgggtctca gccaaattgc acccatttaa ctatcccaaa gagccacaag tgcctacaac 480
ccaggcccta agttgatgaa gaaaaagtca aggaangagg tgatcaattg gaaatattcc 540
catcaaattg gtaaacttat ttagaaaatg ggcattattg aaaaagcctt ccaagatgat 600
tttgataaat aaaagtggat ttgnggnaat gggaataact ctgggtaagc cctacattat 660
cccttacatt tggtttaggg acctactgac ntaaattaag gaaacatggt aaagtacctt 720
g 721
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<210> 911

<211> 564

<212> DNA

<213> Homo sapiens

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<222> (342)

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<222> (365)

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<222> (376)

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<220>
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<222> (493)
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<400> 911
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gtgaatcccg cctcccctct cagccagaac tgtggactcg tcccggggag gggcggtggg 180
tggggcgggg ctggcgggaa atttcggttt tggcgcgctc cctgcggcga cgctccatcg 240
tgcgtctctc tcttcccccg gtggtctcct cgctcgccct ctggctctgc atgccctgct 300
ctgaagagac acccgccatt tcacccagta agcgggcncg gntgcggaag tgggcggcat 360
gcagnnccgn tttgcncggt tttcgagcaa gccaaaggccc caacgggggt ngggcgcgcg 420
gggggttaaga ctgtaaaatg gctangatta aacataccac tatggagaaa ttttntgaaa 480
nggaattcaa aanngtcctt ttgngtaat gaaaatggtc aagtnagggt ggtgaaaaat 540
ttttgattag actgggtaaa atga 564

<210> 912
<211> 408
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<222> (395)
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gagtcaccac tggacctcca aggaagccac gtgcagacat ctacaacctt cgatctcctg 180
acgagtttat tgttggccaa aaccaggctt tgattgaacc aggatgaatg cgggtgttgg 240
aagtagaata tatatataca tataaaattg gttgggagcc acgtgtacca gtgtgtgttg 300
atcttggtt gattcagtct gccttgtaac agaactggcg atggaatatg agaggagccn 360
ctggaaagaa aaggacagan ccnntgcttt catgnaagtg agatctgg 408

<210> 913
<211> 355
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<222> (141)
<223> n equals a,t,g, or c

<220>
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<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
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<222> (331)
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<220>
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<222> (343)
<223> n equals a,t,g, or c

<220>
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<222> (346)
<223> n equals a,t,g, or c

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gccatcctgg cttcgggggc gccggcctcc aggcccgagg aaggagaact cctaggggcta 120
ctaaatcctc gctggaggng ntggcttctt atgcgggagg acgtggcgga gggcctgact 180
ttgggagccg ggggttgact ggattggtga ggcccgtgtg gctacttctg tggaagcagt 240
gctgtnagtt actggaagat aaaagggaaa gcaagccctt ggtgggggaa atatggctgc 300
gatgatggca ttcttaggac accttggnnta ntantgaaac aantancctct gagca 355

<210> 914
<211> 377
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (275)
<223> n equals a,t,g, or c

<220>
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<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
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aacgccttcg ccttcgggtcc ggagctcagc agcctcatca cgccgctcgc catccagacc 120
cacaactttg ccgccgtggc cgncccgcc tactaccgca gtcagcagca gcagcagcag 180
cagggcctgg cgccccccgc gcagcgccgg cgccgcccag cgcgaccctc cccgccgggg 240
ccgcccagcc tccctcgccg cccttcagct tccanctgcc gcgcccgcct tgtccgantic 300
gcccggtgtt ngangcggcc cccaagcncc ccgggattcg ctgttcggaa cgggaaagta 360
acttaaancg gggtcct 377

<210> 915
<211> 509
<212> DNA
<213> Homo sapiens

<220>
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<222> (133)
<223> n equals a,t,g, or c

<220>
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<222> (166)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (226)
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<222> (431)
<223> n equals a,t,g, or c

<220>
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<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
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<222> (501)
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cctctccctt ccaaattctt ggtgccacca ttgagaaact ccaggattgt cctgcagatc 120
gacaacgccc gtntggctgc agatgaactt ccgaaccaag taagtntctc tntcctgggg 180
gctgcagaag ccaggactgg ggtagggggtt ggggggttta ggaatntgcc ctcacctagc 240
ctagatggcc tgaagctaaa cccccctatg gactcctgaa ctctggggag gtagggaagt 300
cttcagagat gctgaggaag ctctgcctgg ctgcaactat tttccttgaa aggtttgaga 360
cggaacaggt ttgcgcatga gcgtggtagg ccgacatcaa cggctgngca ggtgctggat 420

gagctgacct ngccagaccg acctggagat gcaatcgaag gcctaaggag agttggctac 480
tnaagaggac cttagagtgg nttagttg 509

<210> 916
<211> 135
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

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<220>
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<223> n equals a,t,g, or c

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<222> (102)
<223> n equals a,t,g, or c

<220>
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<222> (115)
<223> n equals a,t,g, or c

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tnacaacgta acacaangct tacttatagc acccaacaaa antgtctctg tgganccact 120
tcccagtga ctaca 135

<210> 917
<211> 230
<212> DNA

<213> Homo sapiens

<220>

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<223> n equals a,t,g, or c

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<222> (68)

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<222> (192)

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<222> (228)

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<400> 917

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gcctccantc ctgcctctan catgtccatc angngaccc agaagtccta caaggngtcc 120
anctctgggc cccggggctt cagcagccgn tcctacacga gtgggnccgg tccccgcac 180
agtcctcga gnttctccc agtgggnagc agcaactttc gcggtggnt 230
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<210> 918

<211> 529

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (297)

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<222> (334)

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<222> (374)

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<222> (384)

<223> n equals a,t,g, or c

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<222> (407)
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<222> (481)
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<222> (489)
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<220>
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<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

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tctcctgctc ctagagggtg agaacaaaaa catgcacctg gagtttcccc ggagccctct 120
gcgtgggtga gcttcggtgg aatttcgggg ctcttggtcg ccagcgcgct tgcctggtag 180
caacagaaac cagtcctgct cgcctccgtg gacatttcat taccatccag aagtgtctcc 240

cactgaaggc atccgtgggt gtttttaagc cacaaaaaag ccacanccaa gatcacntga 300
caaccaccct gacaagtgtt ccatgatgtt gggncngag ggaggtgaag gtttttgtgg 360
tcaagttcct tggntgccc tgncccgtt tttttgagga cgtgcanaan ttcccttttg 420
actgaangnt tcaagttggg gcccgaagt tccatttaat nacattgggg gggcaagcaa 480
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<210> 919

<211> 238

<212> DNA

<213> Homo sapiens

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<222> (26)

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<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (88)

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<220>

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<222> (94)

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<222> (113)

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<222> (134)

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<222> (156)

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<222> (215)
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<220>
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<222> (230)
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<400> 919
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agagtagtcc tgggaagatg ggcctctntg aagnagccac ggggacagca tcntgcagat 120
ggtcctggcc ctnttcccac cgacctgtct acaagnactg tgcctcgtgg accctccnnt 180
ctggcacagg aagctggacc ctaaagtccc ttgtnccacc ggccagggaan tggtagcc 238

<210> 920
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<400> 920
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ctcgagtgat ttgagaaaac ttacaaaagg tggaaaatct acgtgggcct ccgaaagtca 120
gatttgacaa gatcaaaagct gcaggaaaat ggacagttag gttcagagag atggaaggat 180
cttggttttg attgatgatg cttggcgaga agacaagctg ccttatgagg atgtcgcaat 240
accactgaat gagcttcctg ancctganca agacaatggt ggcaccacag atctgtcaaa 300
gancaagaaa tgaagtggac agacttagcc ttacagtacc tccatgagaa tgttcccccc 360
attggaaact gacgtttggc tncntctctg tggatggatt ttctcaaagt acacagataa 420
agcatggttg tttcagtcgt cc 442

<210> 921
<211> 444
<212> DNA
<213> Homo sapiens

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<222> (302)
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<220>
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<222> (378)
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<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

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gtgttagcaa tcagcgagac tccgtgggca taggaacctc cgagccaggc gcgggatgta 120
atctcgtggt gcaccgtttt ttaagccagt ccgaaaagcg caatattcgg gtgggagtga 180
cccaattttc caggtgcgtc cgtcacccct ttctttgact cggaaaggga actccctgac 240
cccttgcgct tcccaagtga ggcaatgctc tccctgcttc ggctcgcaca cggtgcgcgc 300
anccactgac ctgtgcccac tgtctggcac tccctagtgt agatgaaccg gtacctcaga 360
tggaaatgca gaaatcancc gtcttctgcy tcaactcatgc tggagctgta gaccggagct 420
gttcctaata cggcatttgn tcct 444

<210> 922

<211> 394
<212> DNA
<213> Homo sapiens

<220>
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<222> (268)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (374)
<223> n equals a,t,g, or c

<220>
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<222> (388)
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<400> 922
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agcctgcagc cgcgcgcgc cgtgacctgc gaccctagac cccgactccc tttggctcag 120
cccgcgcgcc ccaggcccg cccgggcggc gcgacgggag gatgagcggc gggcggcgga 180
aggaggagcc gcctcagccg cagctggcca acggggccct caaagtctcc gtctggagta 240
agggtgctgcg gacgacgcgg cctggganga taagataatt ttaagngtga ctantgggtc 300
cgacaatatt ctgtgtcntg gtgtcaattt gggattttcc ataacagggt cttggaatac 360

agatttgctn anantcagat ctgtactnaa ttca

394

<210> 923

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<400> 923

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actggcttca atctacttct cccgccgccg ggaaaaaagg cgggagaagc cccggcaggt 180
ttgaagctgc ttcttcgaat ttgcaattca atatgaaaat cacctcggag ctggtaaaaa 240
gaggcctaac ccctgtcttt agatttacag tccaatgctt cactcagcca ttttacctca 300
cccccaaaaa aaaaaaaaaa aaaaaaaacc ncgggggggg ncccggnncc na 352

<210> 924

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
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<400> 924
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gatagaaatt gaaacctggc gcaatagata tagtaccgca agggaaagat gaaaaattat 120
aaccaagcat aatatagcaa ggactaacc cttataccttc tgcataatga attaactaga 180
aataactttg caaggagagc caaagctaag acccccgaaa ccagacgagc tacctaagaa 240
cagctaaaag agcacaccgc tctatgtagc aaaatagtgg gaagatttat aggtagaggc 300
gacaaacctt ccgagcctgg tgatagctgg ttgtccaaga tagaatctta gttcaacttt 360
aaatttgncc acagaacctt ctaaaccctt ttgtaaattt aactgggttag tccaaagagg 420
gacagctctt tgnngn 436

<210> 925
<211> 439
<212> DNA
<213> Homo sapiens

<400> 925
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tataggcgat agaaattgaa acctggcgca atagatatag taccgcaagg gaaagatgaa 120
aaattataac caagcataat atagcaagga ctaaccctta taccttctgc ataataaatt 180
aactagaaat aactttgcaa ggagagccaa agctaagacc cccgaaacca gacgagctac 240
ctaagaacag ctaaaagagc acaccgtct atgtagcaaa atagtgggaa gatttatagg 300
tagaggcgac aaacctaccg agcctggtga tagctggttg tccaagatag aatcttttagt 360
tcaactttaa atttgccac agaacctcta aatccccttg taaatttaac tggtaagtcc 420
caaggaggac agtctttgg 439

<210> 926
<211> 183
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (179)
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<400> 926
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cgcataagcc tgcgtcagat taaaacactg aactgacaat taacagccca atatctacaa 120
tcaaccaaca agtcattatt accctcactg tcaacccaac aaaaaaaaaa aaaaaaaaaa 180
aaa 183

<210> 927

<211> 432

<212> DNA

<213> Homo sapiens

<400> 927

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gctgctcgat tggctggtgg acagaaggca ctgcagcctg aaatggcaga gtctggtgct 120
gacgatccgc gagaagatca atgctgccat ccaggacatg ccagagagcg aagagatcgc 180
ccagctgctg tctgggtcct acattcacta ctttcactgc ctaagaatcc tggaccttct 240
caaaggcaca gaggcctcca cgaagaatat ttttgccga tactcttcac agcggatgaa 300
ggattggcag gagattatag ctctgtatga gaaggacaac acctacttag tggaactctc 360
tagcctcctg gttcggaaatg tcaactatga gatccctca ctgaagaagc agattgcaa 420
gtgccagcag ct 432

<210> 928

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (415)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<400> 928

agacaacctt agccaaacca tttacccaaa taaagtatag gcgatagaaa ttgaaacctg 60
gcgcaataga tatagtaccg caaggnaaag atgaaaaatt ataaccaagc ataatatagc 120
aaggactaac ccctatacct tctgcataat gaattaacta gaaataactt tgcaaggaga 180
gccaaagcta agacccccga aaccagacga gctacctaag aacagctaaa agagcacacc 240
cgtctatgta gcaaaatagt gggaagattt ataggtagag gcgacaaacc taccgagcct 300
ggtgatagct gggtgtccaa gatagtatct tagttcaact ttaaatattgc ccacagaacc 360

ctctaaatcc ccttgtaaatt ttaactgtta gtcccaagag ggacagctct ttngncacta 420
gggaaaaacc ttgtagggn 439

<210> 929

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (388)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (432)

<223> n equals a,t,g, or c

<400> 929

ctgcattcag cattttaagg atttatattc atagtcacgc gccgcttaag gaggattcat 60
tctgtgaaat gagttgtag gcagtttcat tgtgcgagca tcatagggtg aacttacaca 120
aacctagggt gcagagccta ctgcacacct cggctgtgtg gtctaacctg ttgctcctgg 180
actgcaaacc tgtacagcct gttactgtcc tgaatactgc aggcagttag aacagagtgg 240
tacatagttg tgtttctaaa catatcggaa cctagaaaag gtacagtaga aatacggat 300
tacaatctta tgggaccact gtctgtgtgc ggtctgttgt tgactgaaat gttatgcagt 360
acatgggctg ccatgagatt accttganaa ttttgctga tatgaaacct agatatnacc 420
ttaaatatgg gna 433

<210> 930

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (354)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (388)

<223> n equals a,t,g, or c

<400> 930

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gtccccact cggagctcct ccagcccgct tcccgatatt gcagcatgtc ccggcggtca 60
cagagcttgg ctgcctcctc tgtcccagga gagagatgct tagagctgtc ctcccaggga 120
gtcatgtcag cctctagggg gtgcatggga gctgagggga cactcctgct gcctccctgg 180
agtggtaatt aaccgggact ttctcctcc cagaaccaac atcccgggta acggttgggc 240
tgaaggacag gtgacgtgtc cctaactccc ccccttcctt gcccgagggt ccggcatcca 300
acgtcttggc ttcttggtct tcaagcagga cnaccgattg gcttttctga agangcaagn 360
ccttaacctg gtaanttaaa acaaccanaa                               390
```

<210> 931

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<400> 931

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cggtacgcgt gggcggacgc gtgggcggac gcgtggggcc atctcacctc ttcattctct 60
tgttacattt gaagcagttg atataatggg ttatactttt aaaagataga catggtgcca 120
tgaagttggg gagttgggtg aattatccca ttctagttac agangagctt tccttaaagt 180
ccctttaact tctaggtttt gttcnagaag ttcatTTTTt gagttaaaag tnattttcat 240
atatgtttgg gggaaaatta actcatcctc aaaaagaatc cttattaggt tanttnaact 300
ccttaaaact naaccnaatc                                     320
```

<210> 932

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (256)

<223> n equals a,t,g, or c

<400> 932

```
aaaaaagata tattaacagt tttagaagtc agtagaataa aatcttaaag cactcataat 60
atggcatcct tcaatttctg tataaaagca gatcttttta aaaagatact tctgtaactt 120
aagaaacctg gcattttaat catattttgt ctttaggtta aagctttggg ttgtgttcgt 180
gttttgtttg ttcaacttgt ttccctccca gccccaaacc ttttgttctc tccgtgaaac 240
ttacctttcc ctttttcttt ctctt                                     265
```

<210> 933

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<400> 933
gtggnnngcgc tnc tagaact atggatcccc cggtcgnacg gattacggnc acgagcaagg 60
gcagtgttac acttatgagg aactgtctct agccatccag gnaagtacta ctgggtctga 120
gggatggaaa gttcttcctg ctatgaatga gagtggactc ttcccctcac cccaactga 180
aaccacaaac aaccagaatc ttctggaatt ctgacttaga gtcgttgta tagaagacct 240
tggtgctatg gaacatgaaa ctgtgtgtca gatggagaga tcccctaac ctaagagcct 300
taaatagccc tgaaagtaca ctgggacggg ttgcgatgga attaaaattg gaagtgatat 360
ttttaggtgc tcttgaaagc tttctgggga ctcaaaatta tcaaaagtca gggacagtcc 420
ggaggaagag cgtctgcaaa actgggttcc tagaagtata gancggactt agctg 475

<210> 934
<211> 322
<212> DNA
<213> Homo sapiens

<400> 934
ataaacaaca tctccagaca gatctacctg accgacaacc ctgaggcagt cgcgatcaag 60
ttgaatcaga ccgctctgca agcagtgact cccattacaa gttttggaaa aaaacaagaa 120
agctcatgcc ccagccagaa cctgaaaaat tcagagatgg aaaatgaaaa tgacaagatt 180
gttcccaaag caacagccag tctacctgaa gcagaggagc tgatcgcgcc tggaacgccg 240
attcaattcg atattgtgct tcctgctaca gaattccttg atcagaacag agggagcagg 300
cgtaccaacc cttttggtga aa 322

<210> 935
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<400> 935
ggcagaggag aaactgtgtg tgaggggaag aggcctgttt cgctgtcggg tctctagttc 60
ttgcacgctc tttaagagtc tgcactggag gaactctgcc attaccagct cccttcttgc 120
nnangccggt gggaaacata catttattca tgccagtctg ttgcatgcag gctttttggc 180
ttcctacctt gcaacaaaat gaattgcacc aactccttag tgccgattcc gccacagag 240
agtccctggag ccacagtctt ttttgctttg cattgttagga gagggactaa gtgctagaga 300
ntatgtcggt ttccttgagc taaccnngag cgttcgtgga actgggatca aactgnnttc 360
agggnaaaag gaaaaaaa 378

<210> 936

<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (438)

<223> n equals a,t,g, or c

<400> 936

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ggtaggtaagt ggcttcgtgg tctttatagc tgttactcctt ttgtactttg tctttttcctt 60
ttattttctt ttgagcgatt gtgcgaacat agcatagcac gcactatgcc ttctgtgttg 120
tagctgcctg gccagggcga ctggcggata aggtccttggt cgtggcctcg angcttaaaa 180
gtaacagtgg ggctttgtga angacaaaat ggcgatggcg ggccgtgtan gtcccccttc 240
ctatgatgaa agaccttttc acagacctgt tactgaactc cgtgaagata aatantctga 300
aganatnggc cctgcaagcc tcttgcttac ccgtcctggt ccaaaaaaat acgttttcca 360
aaatgccctg aatttgaact aatntcttat tgggcncocg ntctgccaga tttaccnca 420
ctttggaaca aaaaaaanc tttgtttgc 450
```

<210> 937

<211> 209

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (187)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (191)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (200)

<223> n equals a,t,g, or c

<400> 937

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agtcttaaga ccaannaagc acgnaagcgc cgtgaagagc gcctccaggc caagnaggag 60
gngatcatca agactttatc caaggaggaa gagaccaaga aataaaacct cccactttgt 120
ctgtacatac tggcctctgt gattacatag atcagccatt gaaaataaaa caagncttaa 180
tctgcanata ngacaagnan aaaatttcg                                     209
```

<210> 938

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (390)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (425)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<400> 938

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cagaactgat agaacaaaca ctactctttt gaatttgatg gttcgtgtcc tttaaagtgt 60
ttgaggacct atgcagagcc tgtaacactt gggtagtacc tgctaggaca atttcttggc 120
aattgtctta ctactaggga tcagtaagat ttagattctg agcccataat ggcaacagcc 180
ccctcaccta tgggaagctg acttccctca gtcgggcact tctcatgggg gctgaacatg 240
gttcctgcc a ttctgttacc cactctccca ggtgagccct ggattggctc ccagaaggcc 300
ttgtaaaaat ccatagccat cctgcaggca gtgggagcaa caggggcttt catagcttca 360
tttccngtct tgcagacaag gaccctgggn aacatgtgct gctaataanga taattactcc 420
gttgncncaa ttaccag 437
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<210> 939

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (423)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<400> 939

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cngacgcgtg ggtcgaccna cgcgtccgcc cacgcgtccg cccacgcgtc cgacgacaga 60
aggggtacggc tgcgagaaga cgcagaaggg tacggctgcg agaagacgnn agaaggggct 120
tttcacattc gggaaacgtc gggattaggt gaaagtacgt agttgtcttt cgtaagtcaa 180
aatgataatt gggccgaaac ttactgcctt acctaaaagg cagcgcagtc aggatattgg 240
taggtcgggg gcggcttttg aaacccttaa gtttacaagc atgcgcggac ttgagtgtctc 300
attaggtcgc cgggcgtcca cgtgcagccc tggaccctga accccggcgt gcgttggccg 360
tnggcctcgg ggaaaagttc cgtgcactcg gggantccgg tgaagctgtt cagccgtctg 420
tgncatgtgg ccatcttgan tctactctgt 450
```

<210> 940

<211> 233

<212> DNA

<213> Homo sapiens

<400> 940

```
ggagcgccctg tgggagccct ggaggggaact ttcccagtc cagaggcgga tcgggtgttg 60
catccatgga gcgagctgag agctcgapta cagaacctgc taaggccatc aaacctattg 120
atcagaagtc agtccatcag atttgctctg ggcaggtggg actgagtcta agcactgcgg 180
taaaggagtt agtagaaaac agtctggatg ctggtgccac taatattgat cta 233
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<210> 941

<211> 238

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (202)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (217)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (228)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 941

His Glu Cys Ala Cys Leu Pro Gly Tyr Ala Gly Asp Gly His Gln Cys
 1 5 10 15

Thr Asp Val Asp Glu Cys Ser Glu Asn Arg Cys His Pro Ala Ala Thr
 20 25 30

Cys Tyr Asn Thr Pro Gly Ser Phe Ser Cys Arg Cys Gln Pro Gly Tyr
 35 40 45

Tyr Gly Asp Gly Phe Gln Cys Ile Pro Asp Ser Thr Ser Ser Leu Thr
 50 55 60

Pro Cys Glu Gln Gln Gln Arg His Ala Gln Ala Gln Tyr Ala Tyr Pro
 65 70 75 80

Gly Ala Arg Phe His Ile Pro Gln Cys Asp Glu Gln Gly Asn Phe Leu
 85 90 95

Pro Leu Gln Cys His Gly Ser Thr Gly Phe Cys Trp Cys Val Asp Pro
 100 105 110

Asp Gly His Glu Val Pro Gly Thr Gln Thr Pro Pro Gly Ser Thr Pro
 115 120 125

Pro His Cys Gly Pro Ser Pro Glu Pro Thr Gln Arg Pro Pro Thr Ile
 130 135 140

Cys Glu Arg Trp Arg Glu Asn Leu Leu Glu His Tyr Gly Gly Thr Pro
 145 150 155 160

Arg Asp Asp Gln Tyr Val Pro Gln Cys Asp Asp Leu Gly His Phe Ile
 165 170 175

Pro Leu Gln Cys His Gly Lys Ser Asp Phe Cys Trp Cys Val Asp Lys
 180 185 190

Asp Gly Arg Glu Val Gln Gly Thr Gly Xaa Pro Ala Arg His His Pro
 195 200 205

Cys Val Tyr Thr His Arg Arg Ser Xaa His Gly Pro Ala His Ala Pro
 210 215 220

Ala Arg Cys Xaa Pro Ser Ile Cys Gly Gln Leu Pro Gly Ala
 225 230 235

<210> 942

<211> 341

<212> PRT

<213> Homo sapiens

<400> 942

Arg Thr Asn Leu Lys Glu Ala Ser Asp Ile Lys Leu Glu Pro Asn Thr
1 5 10 15

Leu Asn Gly Tyr Lys Ser Ser Val Thr Glu Pro Cys Pro Asp Ser Gly
20 25 30

Glu Gln Leu Gln Pro Ala Pro Val Leu Gln Glu Glu Glu Leu Ala His
35 40 45

Glu Thr Ala Gln Lys Gly Glu Ala Lys Cys His Lys Ser Asp Thr Gly
50 55 60

Met Ser Lys Lys Lys Ser Arg Gln Gly Lys Leu Val Lys Gln Phe Ala
65 70 75 80

Lys Ile Glu Glu Ser Thr Pro Val His Asp Ser Pro Gly Lys Asp Asp
85 90 95

Ala Val Pro Asp Leu Met Gly Pro His Ser Asp Gln Gly Glu His Ser
100 105 110

Gly Thr Val Gly Val Pro Val Ser Tyr Thr Asp Cys Ala Pro Ser Pro
115 120 125

Val Gly Cys Ser Val Val Thr Ser Asp Ser Phe Arg Thr Lys Asp Ser
130 135 140

Phe Arg Thr Ala Lys Ser Lys Lys Lys Arg Arg Ile Thr Arg Tyr Asp
145 150 155 160

Ala Gln Leu Ile Leu Glu Asn Asn Ser Gly Ile Pro Lys Leu Thr Leu
165 170 175

Arg Arg Arg His Asp Ser Ser Ser Lys Thr Asn Asp Gln Glu Asn Asp
180 185 190

Gly Met Asn Ser Ser Lys Ile Ser Ile Lys Leu Ser Lys Asp His Asp
195 200 205

Asn Asp Asn Asn Leu Tyr Val Ala Lys Leu Asn Asn Gly Phe Asn Ser
210 215 220

Gly Ser Gly Ser Ser Ser Thr Lys Leu Lys Ile Gln Leu Lys Arg Asp
225 230 235 240

Glu Glu Asn Arg Gly Ser Tyr Thr Glu Gly Leu His Glu Asn Gly Val
245 250 255

Cys Cys Ser Asp Pro Leu Ser Leu Leu Glu Ser Arg Met Glu Val Asp
260 265 270

Asp Tyr Ser Gln Tyr Glu Glu Glu Ser Thr Asp Asp Ser Ser Ser Ser
275 280 285

Glu Gly Asp Glu Glu Glu Asp Asp Tyr Asp Asp Asp Phe Glu Asp Asp
290 295 300

Phe Ile Pro Leu Pro Pro Ala Lys Arg Leu Arg Leu Ile Val Gly Lys
305 310 315 320

Asp Ser Ile Asp Ile Asp Ile Ser Ser Arg Arg Arg Glu Asp Gln Ser
325 330 335

Leu Arg Leu Asn Ala
340

<210> 943

<211> 196

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (187)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 943

Xaa Leu Leu Lys Val Trp Arg Ala Xaa Gln Val Ser Val Ala Tyr Asn
1 5 10 15

Ser Leu Asp Phe Glu Pro Glu Ile Phe Phe Ala Leu Gly Ser Pro Ile
20 25 30

Ala Met Phe Leu Thr Ile Arg Gly Val Asp Arg Ile Asp Glu Asn Tyr
35 40 45

Ser Leu Pro Thr Cys Lys Gly Phe Phe Asn Ile Tyr His Pro Leu Asp
 50 55 60
 Pro Val Ala Tyr Arg Leu Glu Pro Met Ile Val Pro Asp Leu Asp Leu
 65 70 75 80
 Lys Ala Val Leu Ile Pro His His Lys Gly Arg Lys Arg Leu His Leu
 85 90 95
 Glu Leu Lys Glu Ser Leu Ser Arg Met Gly Ser Asp Leu Lys Gln Gly
 100 105 110
 Phe Ile Ser Ser Leu Lys Ser Ala Trp Gln Thr Leu Asn Glu Phe Ala
 115 120 125
 Arg Ala His Thr Ser Ser Thr Gln Leu Gln Glu Glu Leu Glu Lys Val
 130 135 140
 Ala Asn Gln Ile Lys Glu Glu Glu Glu Lys Gln Val Val Glu Ala Glu
 145 150 155 160
 Lys Val Val Glu Ser Pro Asp Phe Ser Lys Asp Glu Asp Tyr Leu Gly
 165 170 175
 Lys Val Gly Lys Val Lys Trp Arg Pro Pro Xaa Leu Thr Thr Phe Ser
 180 185 190
 Lys Lys Asn Gln
 195

<210> 944

<211> 97

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 944

Pro His Gly Leu Arg Cys Pro Ser Cys Pro Gln Thr Ala Val Ser Arg
 1 5 10 15
 Arg Gln Ala Arg Arg Met Val Thr Glu Thr Ser Arg Arg Arg Ile
 20 25 30
 Gln Glu Leu Glu Glu Arg Arg Arg Xaa Phe Val Glu Ala Cys Arg Ala
 35 40 45

Arg Glu Ala Ala Phe Asp Ala Glu Tyr Gln Arg Asn Pro His Arg Val
 50 55 60

Asp Leu Asp Ile Leu Thr Phe Thr Ile Ala Leu Thr Ala Ser Glu Val
 65 70 75 80

Ile Asn Pro Leu Ile Glu Glu Leu Gly Cys Asp Lys Phe Ile Asn Arg
 85 90 95

Glu

<210> 945
 <211> 123
 <212> PRT
 <213> Homo sapiens

<400> 945
 Ser Gly Ser Pro Gly Leu Gln Glu Phe Arg Ala Pro Gly Val Gln Gln
 1 5 10 15

Asp Glu Arg Leu Ala Ser Pro Ile His Ser Thr Tyr Ile Pro Ile Pro
 20 25 30

Thr Ser Ala Ile Cys Ala Thr Gly Ser Asn Gly Ser Ala Pro Thr Arg
 35 40 45

Ile Ser Val Gln Cys Leu Ser Pro Ala Thr Thr Gly Ser Ala Ser Val
 50 55 60

Asp Leu Cys Cys Thr Arg Asp Ile Ser Leu Leu Pro Gly Glu Pro Pro
 65 70 75 80

Ile Ala Val Pro Thr Gly Val Phe Gly Pro Leu Pro Thr Gly Ser Val
 85 90 95

Gly Leu Leu Phe Asp Leu Ser Ser Leu Asn Leu Lys Gly Val Gln Val
 100 105 110

His Thr Gly Val Ile Asp Ser Asp Ile Gln Val
 115 120

<210> 946
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 946

Gly Phe Leu Gly Leu Leu Phe Met Pro Gln Ala Thr Tyr Pro Gly Glu
1 5 10 15

Ser Leu Pro Val Leu Leu His Glu Phe Leu Ser His Arg Met His Val
20 25 30

Pro Leu His Phe Val Thr Ser Val Ser Pro Thr Arg Gln
35 40 45

<210> 947

<211> 160

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (132)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (133)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (147)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (156)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 947

Gly Pro Arg Arg Gly Pro Gly Pro Gly Gly Cys Ala Ala Pro Ala Thr
1 5 10 15

Glu Glu Gln Glu Ala Ala Ser Ser Ser Ser Xaa Leu Xaa Glu Val Thr
20 25 30

Leu Gly Glu Val Pro Ala Ala Glu Ser Pro Asp Pro Pro Gln Ser Pro
35 40 45

Gln Gly Ala Ser Ser Leu Pro Xaa Thr Met Asn Tyr Pro Leu Trp Ser
50 55 60

Gln Ser Tyr Glu Asp Ser Ser Asn Gln Glu Glu Glu Gly Pro Ser Thr
65 70 75 80

Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Leu Ser Arg Lys Val
85 90 95

Ala Lys Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Xaa Glu Pro
100 105 110

Val Thr Lys Ala Glu Met Leu Gly Ser Val Val Gly Lys Leu Ala Ser
115 120 125

Thr Ser Phe Xaa Xaa Ile Phe Lys Gln Lys Leu Ser Asp Phe Leu Cys
130 135 140

Asn Leu Xaa Phe Trp His Ser Lys Leu Glu Trp Xaa Val Gly Pro Pro
145 150 155 160

<210> 948

<211> 53

<212> PRT

<213> Homo sapiens

<400> 948

Ser Asn Trp Ile Ile Asp Cys Asn Cys Leu Glu Ile Tyr His Lys Asn
1 5 10 15

Arg Leu Cys Phe Phe Gly Ile Ala Pro Asn Phe Ser Leu Leu Leu Arg
 20 25 30

Ala Ala His Ala Val Leu Ser Ser Tyr Trp Ser Gln Pro Leu Gly Glu
 35 40 45

Glu Arg Asn Ala Trp
 50

<210> 949

<211> 154

<212> PRT

<213> Homo sapiens

<400> 949

Trp Asp Tyr Ile Leu Cys Ala Gly Leu Arg Glu His Glu Glu Gly Ala
 1 5 10 15

Ile Cys His Thr Leu Glu Ala Glu Ala Cys Thr Ser Ala Ala Arg Leu
 20 25 30

Thr Val Val Gly Gly Gly Asp Gly Asn Cys Arg Ser Ala Arg Val Val
 35 40 45

Glu Lys Leu Leu Gln Gly Phe Ser Gly Phe Ala Cys Pro Ala Ala Pro
 50 55 60

Cys Leu Ala Arg Gly Glu Gly Gly Ala Thr Cys Gly Thr Leu Glu Ala
 65 70 75 80

Gly Ala Cys Arg Trp His Gly Ser Ala Ala His Leu Ala Ala Val Gly
 85 90 95

Gly Gly Asp Arg Asp Cys Ser Leu Thr Val Val Asn Leu Glu Ile Ile
 100 105 110

Cys Leu Glu Ala Leu Ser Leu Ser Trp Asp Leu Lys Arg Arg Gly Ser
 115 120 125

Pro Asn Ser Gln Gln Ser Asn Ser Lys Trp Cys Cys Lys Leu Asn His
 130 135 140

Thr Trp Thr Gly His Ser Ser Glu Asp Pro
 145 150

<210> 950

<211> 442

<212> PRT

<213> Homo sapiens

<400> 950

Ala Arg Gly Thr Glu Thr Cys Gly Leu Ile Gln Val Thr Leu Leu Asp
 1 5 10 15

Thr Val Glu Leu Ala Thr Tyr Thr Val Arg Thr Phe Ala Leu His Lys
 20 25 30

Ser Gly Ser Ser Glu Lys Arg Glu Leu Arg Gln Phe Gln Phe Met Ala
 35 40 45

Trp Pro Asp His Gly Val Pro Glu Tyr Pro Thr Pro Ile Leu Ala Phe
 50 55 60

Leu Arg Arg Val Lys Ala Cys Asn Pro Leu Asp Ala Gly Pro Met Val
 65 70 75 80

Val His Cys Ser Ala Gly Val Gly Arg Thr Gly Cys Phe Ile Val Ile
 85 90 95

Asp Ala Met Leu Glu Arg Met Lys His Glu Lys Thr Val Asp Ile Tyr
 100 105 110

Gly His Val Thr Cys Met Arg Ser Gln Arg Asn Tyr Met Val Gln Thr
 115 120 125

Glu Asp Gln Tyr Val Phe Ile His Glu Ala Leu Leu Glu Ala Ala Thr
 130 135 140

Cys Gly His Thr Glu Val Pro Ala Arg Asn Leu Tyr Ala His Ile Gln
 145 150 155 160

Lys Leu Gly Gln Val Pro Pro Gly Glu Ser Val Thr Ala Met Glu Leu
 165 170 175

Glu Phe Lys Leu Leu Ala Ser Ser Lys Ala His Thr Ser Arg Phe Ile
 180 185 190

Ser Ala Asn Leu Pro Cys Asn Lys Phe Lys Asn Arg Leu Val Asn Ile
 195 200 205

Met Pro Tyr Glu Leu Thr Arg Val Cys Leu Gln Pro Ile Arg Gly Val
 210 215 220

Glu Gly Ser Asp Tyr Ile Asn Ala Ser Phe Leu Asp Gly Tyr Arg Gln
 225 230 235 240

Gln Lys Ala Tyr Ile Ala Thr Gln Gly Pro Leu Ala Glu Ser Thr Glu

245	250	255
Asp Phe Trp Arg Met Leu Trp Glu His Asn Ser Thr Ile Ile Val Met		
260	265	270
Leu Thr Lys Leu Arg Glu Met Gly Arg Glu Lys Cys His Gln Tyr Trp		
275	280	285
Pro Ala Glu Arg Ser Ala Arg Tyr Gln Tyr Phe Val Val Asp Pro Met		
290	295	300
Ala Glu Tyr Asn Met Pro Gln Tyr Ile Leu Arg Glu Phe Lys Val Thr		
305	310	315
Asp Ala Arg Asp Gly Gln Ser Arg Thr Ile Arg Gln Phe Gln Phe Thr		
325	330	335
Asp Trp Pro Glu Gln Gly Val Pro Lys Thr Gly Glu Gly Phe Ile Asp		
340	345	350
Phe Ile Gly Gln Val His Lys Thr Lys Glu Gln Phe Gly Gln Asp Gly		
355	360	365
Pro Ile Thr Val His Cys Ser Ala Gly Val Gly Arg Thr Gly Val Phe		
370	375	380
Ile Thr Leu Ser Ile Val Leu Glu Arg Met Arg Tyr Glu Gly Val Val		
385	390	395
Asp Met Phe Gln Thr Val Lys Thr Leu Arg Thr Gln Arg Pro Ala Met		
405	410	415
Val Gln Thr Glu Asp Gln Tyr Gln Leu Cys Tyr Arg Ala Ala Leu Glu		
420	425	430
Tyr Leu Gly Ser Phe Asp His Tyr Ala Thr		
435	440	

<210> 951

<211> 82

<212> PRT

<213> Homo sapiens

<400> 951

Asn Ser Lys Val Gly Ile Ser Arg Asn Cys Val Gln Met His Pro Val
1 5 10 15

Val Ala Leu Gln Glu Val Cys Leu Met Lys Leu Gly Lys His Phe Ala
20 25 30

Ile Phe Pro Leu Ala Val Phe Leu Cys Ser Leu Leu Pro Leu Phe Phe
 35 40 45

Pro Trp Phe Val Ile Ile Arg Arg Glu Val Leu Gln Arg Leu Val Ala
 50 55 60

Val Lys Glu Ser Phe Phe Asn Phe Tyr Pro Arg Val Ser His Phe Tyr
 65 70 75 80

Ser Arg

<210> 952
 <211> 475
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (465)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (468)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (469)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 952
 Leu Val Leu Pro Leu His Ala Val Glu Lys Thr Gly Arg Pro Gly Gln
 1 5 10 15

Pro Ala Leu Lys Met Pro Gly Lys Leu Arg Ser Asp Ala Gly Leu Glu
 20 25 30

Ser Asp Thr Ala Met Lys Lys Gly Glu Thr Leu Arg Lys Gln Thr Glu
 35 40 45

Glu Lys Glu Lys Lys Glu Lys Pro Lys Ser Asp Lys Thr Glu Glu Ile
 50 55 60

Ala Glu Glu Glu Glu Thr Val Phe Pro Lys Ala Lys Gln Val Lys Lys
 65 70 75 80

Lys Ala Glu Pro Ser Glu Val Asp Met Asn Ser Pro Lys Ser Lys Lys
85 90 95

Ala Lys Lys Lys Glu Glu Pro Ser Gln Asn Asp Ile Ser Pro Lys Thr
100 105 110

Lys Ser Leu Arg Lys Lys Lys Glu Pro Ile Glu Lys Lys Val Val Ser
115 120 125

Ser Lys Thr Lys Lys Val Thr Lys Asn Glu Glu Pro Ser Glu Glu Glu
130 135 140

Ile Asp Ala Pro Lys Pro Lys Lys Met Lys Lys Glu Lys Glu Met Asn
145 150 155 160

Gly Glu Thr Arg Glu Lys Ser Pro Lys Leu Lys Asn Gly Phe Pro His
165 170 175

Pro Glu Pro Asp Cys Asn Pro Ser Glu Ala Ala Ser Glu Glu Ser Asn
180 185 190

Ser Glu Ile Glu Gln Glu Ile Pro Val Glu Gln Lys Glu Gly Ala Phe
195 200 205

Ser Asn Phe Pro Ile Ser Glu Glu Thr Ile Lys Leu Leu Lys Gly Arg
210 215 220

Gly Val Thr Phe Leu Phe Pro Ile Gln Ala Lys Thr Phe His His Val
225 230 235 240

Tyr Ser Gly Lys Asp Leu Ile Ala Gln Ala Arg Thr Gly Thr Gly Lys
245 250 255

Thr Phe Ser Phe Ala Ile Pro Leu Ile Glu Lys Leu His Gly Glu Leu
260 265 270

Gln Asp Arg Lys Arg Gly Arg Ala Pro Gln Val Leu Val Leu Ala Pro
275 280 285

Thr Arg Glu Leu Ala Asn Gln Val Ser Lys Asp Phe Ser Asp Ile Thr
290 295 300

Lys Lys Leu Ser Val Ala Cys Phe Tyr Gly Gly Thr Pro Tyr Gly Gly
305 310 315 320

Gln Phe Glu Arg Met Arg Asn Gly Ile Asp Ile Leu Val Gly Thr Pro
325 330 335

Gly Arg Ile Lys Asp His Ile Gln Asn Gly Lys Leu Asp Leu Thr Lys
340 345 350

Leu Lys His Val Val Leu Asp Glu Val Asp Gln Met Leu Asp Met Gly
 355 360 365

Phe Ala Asp Gln Val Glu Glu Ile Leu Ser Val Ala Tyr Lys Lys Asp
 370 375 380

Ser Glu Asp Asn Pro Gln Thr Leu Leu Phe Ser Ala Thr Cys Pro His
 385 390 395 400

Trp Val Phe Asn Val Ala Lys Lys Tyr Met Lys Ser Thr Tyr Glu Gln
 405 410 415

Val Asp Leu Ile Gly Lys Lys Thr Gln Lys Thr Ala Ile Thr Val Glu
 420 425 430

His Leu Ala Ile Lys Cys His Trp Thr Gln Arg Ala Ala Val Ile Gly
 435 440 445

Asp Val Ile Arg Val Tyr Ser Gly His Gln Gly Arg Thr Ile Ile Phe
 450 455 460

Xaa Glu Thr Xaa Xaa Glu Ala Gln Glu Leu Ser
 465 470 475

<210> 953

<211> 259

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 953

His Glu Ala Lys Trp Ala Arg Glu Glu Glu Glu Ala Gln Arg Arg Leu
 1 5 10 15

Glu Glu Asn Arg Leu Arg Met Glu Glu Glu Ala Ala Arg Leu Arg His
 20 25 30

Glu Glu Glu Glu Arg Lys Arg Lys Ala Leu Glu Val Gln Arg Gln Lys
 35 40 45

Glu Leu Met Arg Gln Arg Gln Gln Gln Gln Glu Ala Leu Arg Arg Leu
 50 55 60

Gln Gln Gln Gln Gln Gln Gln Gln Gln Leu Ala Gln Met Lys Leu Pro Ser
 65 70 75 80

Ser Ser Thr Trp Gly Gln Gln Ser Asn Thr Thr Ala Cys Gln Ser Gln
85 90 95

Ala Thr Leu Ser Leu Ala Glu Ile Gln Lys Leu Glu Glu Glu Arg Glu
100 105 110

Arg Gln Xaa Arg Glu Glu Gln Arg Arg Gln Gln Arg Glu Leu Met Lys
115 120 125

Ala Leu Gln Gln Gln Gln Gln Gln Gln Gln Lys Leu Ser Gly Trp
130 135 140

Gly Asn Val Ser Lys Pro Ser Gly Thr Thr Lys Ser Leu Leu Glu Ile
145 150 155 160

Gln Gln Glu Glu Ala Arg Gln Met Gln Lys Gln Gln Gln Gln Gln Gln
165 170 175

Gln His Gln Gln Pro Asn Arg Ala Arg Asn Asn Thr His Ser Asn Leu
180 185 190

His Thr Ser Ile Gly Asn Ser Val Trp Gly Ser Ile Asn Thr Gly Pro
195 200 205

Pro Asn Gln Trp Ala Ser Asp Leu Val Ser Ser Ile Trp Ser Asn Ala
210 215 220

Asp Thr Lys Asn Ser Asn Met Gly Phe Trp Asp Asp Ala Val Lys Glu
225 230 235 240

Val Gly Pro Arg Asn Ser Thr Asn Lys Asn Lys Asn Asn Ala Ile Ser
245 250 255

Val Asn Leu

<210> 954

<211> 144

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (144)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 954

Ile	Val	Tyr	Val	Pro	Ser	His	Leu	His	His	Met	Xaa	Phe	Glu	Leu	Phe
1				5						10				15	

Xaa	Asn	Ala	Met	Arg	Ala	Thr	Val	Glu	His	Gln	Glu	Asn	Gln	Pro	Xaa
		20						25						30	

Leu	Thr	Pro	Ile	Glu	Val	Ile	Val	Ala	Leu	Gly	Lys	Glu	Asp	Leu	Thr
		35						40				45			

Ile	Lys	Ile	Ser	Asp	Arg	Gly	Gly	Gly	Val	Pro	Leu	Arg	Ile	Ile	Asp
	50					55					60				

Arg	Leu	Phe	Ser	Tyr	Thr	Tyr	Ser	Thr	Ala	Pro	Thr	Pro	Val	Met	Asp
65					70					75					80

Asn	Ser	Arg	Asn	Ala	Pro	Leu	Ala	Gly	Phe	Gly	Tyr	Gly	Leu	Pro	Ile
			85						90					95	

Ser	Arg	Leu	Tyr	Ala	Lys	Tyr	Phe	Gln	Gly	Xaa	Leu	Asn	Leu	Tyr	Ser
		100						105					110		

Leu	Xaa	Gly	Tyr	Gly	Thr	Asp	Ala	Ile	Ile	Tyr	Leu	Lys	Ala	Leu	Val
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

115	120	125
Thr Xaa Cys Gln Phe Leu Val Cys Met Gln Ser Thr Phe Lys Glu Xaa		
130	135	140

<210> 955
 <211> 243
 <212> PRT
 <213> Homo sapiens

<400> 955
Thr Arg Pro Arg Thr Arg Gly Leu Trp Arg Pro Gly Trp Arg Cys Val
1 5 10 15

Pro Phe Cys Gly Trp Arg Trp Ile His Pro Gly Ser Pro Thr Arg Ala
20 25 30

Ala Glu Arg Val Glu Pro Phe Leu Arg Pro Glu Trp Ser Gly Thr Gly
35 40 45

Gly Ala Glu Arg Gly Leu Arg Trp Leu Gly Thr Trp Lys Arg Cys Ser
50 55 60

Leu Arg Ala Arg His Pro Ala Leu Gln Pro Pro Arg Arg Pro Lys Ser
65 70 75 80

Ser Asn Pro Phe Thr Arg Ala Gln Glu Glu Glu Arg Arg Arg Gln Asn
85 90 95

Lys Thr Thr Leu Thr Tyr Val Ala Ala Val Ala Val Gly Met Leu Gly
100 105 110

Ala Ser Tyr Ala Ala Val Pro Leu Tyr Arg Leu Tyr Cys Gln Thr Thr
115 120 125

Gly Leu Gly Gly Ser Ala Val Ala Gly His Ala Ser Asp Lys Ile Glu
130 135 140

Asn Met Val Pro Val Lys Asp Arg Ile Ile Lys Ile Ser Phe Asn Ala
145 150 155 160

Asp Val His Ala Ser Leu Gln Trp Asn Phe Arg Pro Gln Gln Thr Glu
165 170 175

Ile Tyr Val Val Pro Gly Glu Thr Ala Leu Ala Phe Tyr Arg Ala Lys
180 185 190

Asn Pro Thr Asp Lys Pro Val Ile Gly Ile Ser Thr Tyr Asn Ile Val
 195 200 205

Pro Phe Glu Ala Gly Gln Tyr Phe Asn Lys Ile Gln Cys Phe Cys Phe
 210 215 220

Glu Glu Gln Arg Leu Asn Pro Gln Glu Glu Val Gly Tyr Ala Ser Val
 225 230 235 240

Phe Leu His

<210> 956

<211> 184

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 956

Gly Leu Val Val Thr Leu Leu Thr His Xaa Phe Xaa Ile Asn Ser Xaa
 1 5 10 15

Asn Phe Cys Thr Ser Ala Lys Asp Ala Phe Val Ile Leu Val Glu Asn
 20 25 30

Ala Leu Arg Val Ala Thr Ile Asn Thr Val Gly Asp Phe Met Leu Phe
 35 40 45

Leu Gly Lys Val Leu Ile Val Cys Ser Thr Gly Leu Ala Gly Ile Met
 50 55 60

Leu Leu Asn Tyr Gln Gln Asp Tyr Thr Val Trp Val Leu Pro Leu Ile
 65 70 75 80

Ile Val Cys Leu Phe Ala Phe Leu Val Ala His Cys Phe Leu Ser Ile
 85 90 95
 Tyr Glu Met Val Val Asp Val Leu Phe Leu Cys Phe Ala Ile Asp Thr
 100 105 110
 Lys Tyr Asn Asp Gly Ser Pro Gly Arg Glu Phe Tyr Met Asp Lys Val
 115 120 125
 Leu Met Glu Phe Val Glu Asn Ser Arg Lys Ala Met Lys Glu Ala Gly
 130 135 140
 Lys Gly Gly Val Ala Asp Ser Arg Glu Leu Asn Arg Cys Phe Gly Ser
 145 150 155 160
 Lys Phe Cys Leu Asn Leu Ala Asp Gly Tyr Gly Asn Pro Leu Thr Phe
 165 170 175
 Gln Asn Asn Ile Tyr Thr His Thr
 180

<210> 957

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 957

Ser Arg Ser Pro Val Leu Asp Pro Ser Glu Pro Gln Pro Leu Ala Ala
 1 5 10 15
 Met His Val Ile Lys Arg Asp Gly Arg Gln Glu Arg Val Met Phe Asp
 20 25 30
 Lys Ile Thr Ser Arg Ile Gln Lys Leu Cys Tyr Gly Leu Asn Met Asp
 35 40 45
 Phe Val Asp Pro Ala Gln Ile Thr Met Lys Val Ile Gln Gly Leu Tyr
 50 55 60
 Ser Gly Val Thr Thr Val Glu Leu Asp Thr Leu Ala Ala Glu Thr Ala
 65 70 75 80
 Ala Thr Leu Thr Thr Lys His Pro Asp Tyr Ala Ile Leu Ala Ala Arg
 85 90 95

Ile Ala Val Ser Asn Leu His Lys Glu Thr Lys Lys Val Phe Ser Asp
 100 105 110

Val Met Glu Asp Leu Tyr Xaa Leu His Lys Ser Thr
 115 120

<210> 958

<211> 117

<212> PRT

<213> Homo sapiens

<400> 958

Ser Ile Met Phe Val Ala Leu Met Lys Tyr Phe Gln Glu Met Cys Pro
 1 5 10 15

Gly Val Ala Leu Ala Met Leu Thr Arg Pro Leu Val Thr Gln Arg Ala
 20 25 30

Leu Gly Pro Asp Gly Asp Leu Pro Leu Arg Phe Leu Tyr Gln Ala Leu
 35 40 45

Ser Ser His Gly Ala Ser Gly Thr Ser Leu Leu Ser Trp Glu Lys Gly
 50 55 60

Asn Trp Leu Pro Arg Gln Val Val Glu Ser Val Ala Gly Thr Arg Leu
 65 70 75 80

Glu Ala His Leu Val Val Asn Arg Ala Gln Trp Gly Arg Leu Gly Met
 85 90 95

Leu Trp Ser Met Gly Leu Phe Pro Gly Glu Cys Ser Gly Met Ser Ser
 100 105 110

Gln Leu Leu Trp Cys
 115

<210> 959

<211> 267

<212> PRT

<213> Homo sapiens

<400> 959

Ser Met Pro Gly Trp Arg Leu Leu Thr Gln Val Gly Ala Gln Val Leu
 1 5 10 15

Gly Arg Leu Gly Asp Gly Leu Gly Ala Ala Leu Gly Pro Gly Asn Arg

20	25	30
Thr His Ile Trp Leu Phe Val Arg Gly Leu His Gly Lys Ser Gly Thr		
35	40	45
Trp Trp Asp Glu His Leu Ser Glu Glu Asn Val Pro Phe Ile Lys Gln		
50	55	60
Leu Val Ser Asp Glu Asp Lys Ala Gln Leu Ala Ser Lys Leu Cys Pro		
65	70	75
Leu Lys Asp Glu Pro Trp Pro Ile His Pro Trp Glu Pro Gly Ser Phe		
85	90	95
Arg Val Gly Leu Ile Ala Leu Lys Leu Gly Met Met Pro Leu Trp Thr		
100	105	110
Lys Asp Gly Gln Lys His Val Val Thr Leu Leu Gln Val Gln Asp Cys		
115	120	125
His Val Leu Lys Tyr Thr Ser Lys Glu Asn Cys Asn Gly Lys Met Ala		
130	135	140
Thr Leu Ser Val Gly Gly Lys Thr Val Ser Arg Phe Arg Lys Ala Thr		
145	150	155
Ser Ile Leu Glu Phe Tyr Arg Glu Leu Gly Leu Pro Pro Lys Gln Thr		
165	170	175
Val Lys Ile Phe Asn Ile Thr Asp Asn Ala Ala Ile Lys Pro Gly Thr		
180	185	190
Pro Leu Tyr Ala Ala His Phe Arg Pro Gly Gln Tyr Val Asp Val Thr		
195	200	205
Ala Lys Thr Ile Gly Lys Gly Phe Gln Gly Val Met Lys Arg Trp Gly		
210	215	220
Phe Lys Gly Gln Pro Ala Thr His Gly Gln Thr Lys Thr His Arg Arg		
225	230	235
Pro Gly Ala Val Ala Thr Gly Asp Ile Gly Arg Val Trp Pro Gly Thr		
245	250	255
Lys Met Pro Gly Lys Met Gly Lys Cys Gly Glu		
260	265	

<210> 960

<211> 165

<212> PRT

<213> Homo sapiens

<400> 960

Pro Arg Val Arg Ala Arg Trp Arg Arg Gly His Phe Phe His Cys Pro
1 5 10 15

Ser Glu Gly Thr Leu Ser Ser Val Ser Gly Ala Val Phe Gln Leu Arg
20 25 30

Val Val Pro Arg Glu Ser Glu Arg Pro Ser Pro Gly Trp Cys Asp Gly
35 40 45

Arg Gly Gly Gly Gln Ala Gly Arg Ala Ala Val His Gln Arg Gly Gly
50 55 60

Arg Ala Gly Gln Arg Arg Arg Pro Gly Leu Leu Pro Asp Leu Gly Val
65 70 75 80

Ser Ala Val Gly Gly His Gly Arg His Pro Arg Pro His Arg Pro Leu
85 90 95

Arg Leu His Leu Leu Pro Ala Arg Leu Arg Pro Ala Leu Pro Ala Pro
100 105 110

His Ser Gln Gly Gly Lys Glu Val Glu Gln Ile Phe Gln Ile Thr Glu
115 120 125

Thr Ser Leu Tyr Arg Arg Pro His Arg Gly Pro Leu His Leu Arg Pro
130 135 140

Val Leu Asp Val Pro Leu Arg His Gly Ala Arg Leu Leu Lys Trp Gly
145 150 155 160

Pro Gly Gly Leu Phe
165

<210> 961

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 961

Thr Ala Thr Thr Glu Val Glu Val Leu Asp Met Xaa Val Leu Pro Leu

1	5	10	15
Val Tyr Ile Leu Met Asn Ile Asp Val Asn Lys Lys Gly Lys Lys Gln	20	25	30
Asn Thr Arg Phe Phe Pro Ile Leu Met Leu Ala Pro Ser Lys Ser Leu	35	40	45
Pro Thr Arg Met Asn Thr Phe Pro Lys Leu Asn Lys Phe Leu Phe Ile	50	55	60
Lys Leu Arg Leu Lys Phe Val Gly Leu Gly Ser Phe Leu Lys Pro Arg	65	70	75
Ala Cys Pro Leu Pro Thr Pro Pro Ser Phe Ala Pro Lys	85	90	

<210> 962
 <211> 173
 <212> PRT
 <213> Homo sapiens

<400> 962

Glu Pro Lys Ala Lys Pro His Arg Ser Arg Gly Ser Gly Thr Arg Ala	1	5	10	15
Val Arg Arg Arg Ser Cys Leu Gln Ser Ala Ala Glu Ala Ala His Gly	20	25	30	
Pro Asp Thr Pro Ala Ala Arg Ala Leu Gln Ser Leu Gly His Pro Val	35	40	45	
Val Gly Asp Leu Thr Tyr Gly Glu Val Ser Gly Arg Glu Asp Arg Pro	50	55	60	
Phe Arg Met Met Leu His Ala Phe Tyr Leu Arg Ile Pro Thr Asp Thr	65	70	75	80
Glu Cys Val Glu Val Cys Thr Pro Asp Pro Phe Leu Pro Ser Leu Asp	85	90	95	
Ala Cys Trp Ser Pro His Thr Leu Leu Gln Ser Leu Asp Gln Leu Val	100	105	110	
Gln Ala Leu Arg Ala Thr Pro Asp Pro Asp Pro Glu Asp Arg Gly Pro	115	120	125	
Arg Pro Gly Ser Pro Ser Ala Leu Leu Pro Gly Pro Gly Arg Pro Pro	130	135	140	

Pro Pro Pro Thr Lys Pro Pro Glu Thr Glu Ala Gln Arg Gly Pro Cys
 145 150 155 160

Leu Gln Trp Leu Ser Glu Trp Thr Leu Glu Pro Asp Ser
 165 170

<210> 963

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 963

Ser Ser Arg Gly Glu Pro Arg Ala Ala Leu Leu Cys Lys Arg Ser Asp
 1 5 10 15

Val Leu Leu Glu Pro Phe Arg Arg Gly Val Met Glu Lys Leu Gln Leu
 20 25 30

Gly Pro Glu Ile Leu Gln Arg Glu Asn Pro Arg Leu Ile Tyr Xaa Xaa
 35 40 45

Leu Ser Gly Phe Gly Gln Ser Gly Lys Leu Leu Pro Val Ser Trp Pro
 50 55 60

Arg Tyr Gln Leu Phe Gly Phe Cys Ser Gly Gly Arg Xaa Gln His Ile
 65 70 75 80

<210> 964

<211> 89

<212> PRT

<213> Homo sapiens

<400> 964

Ala Glu Ala Leu Gly Ser Pro Cys Phe Pro Gln Asp Leu Leu Leu Ala
 1 5 10 15

Asn Arg Ser Ser Arg Gln Leu Leu Gln Cys Val Ser His Pro Ala Asn
 20 25 30

Arg Ser Val Cys Ile Ser Val Lys Glu Asn Ser Leu Val Pro Pro Gly
 35 40 45

Ser Ala Trp Lys Leu Asp Ala Asn Phe Tyr Ile Ala Trp Gln Thr Asp
 50 55 60

Gln Gln Cys Gln Ala Leu Ile Cys Ile Leu His Tyr Pro Phe Thr Trp
 65 70 75 80

Phe Leu Ala Leu Asn Gly Leu Gln Pro
 85

<210> 965

<211> 323

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (218)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 965

Gly Arg Ala Ser Glu Arg Ala Ser Arg Gln Gln Ala Ala Gly Gly Arg
 1 5 10 15

Ala Asp Gly Thr Glu Gly Gly Ser Glu Arg Ala Val Ser Lys Pro Ala
 20 25 30

Arg Ala Val Gly Ser Arg Gly Gln Pro Arg Phe Leu Arg Ser Leu Arg
 35 40 45

Pro Pro Pro Trp Ser Pro Gln Arg Leu Arg Cys Pro Glu Asp Arg Thr
 50 55 60

Arg Pro Gly Pro Ala Met Ala Ser Leu Leu Lys Val Asp Gln Glu Val
 65 70 75 80

Lys Leu Lys Val Asp Ser Phe Arg Glu Arg Ile Thr Ser Glu Ala Glu
 85 90 95
 Asp Leu Val Ala Asn Phe Phe Pro Lys Lys Leu Leu Glu Leu Asp Ser
 100 105 110
 Phe Leu Lys Glu Pro Ile Leu Asn Ile His Asp Leu Thr Gln Ile His
 115 120 125
 Ser Asp Met Asn Leu Pro Val Pro Asp Pro Ile Leu Leu Thr Asn Ser
 130 135 140
 His Asp Gly Leu Asp Gly Pro Thr Tyr Lys Lys Arg Arg Leu Asp Glu
 145 150 155 160
 Cys Glu Glu Ala Phe Gln Gly Thr Lys Val Phe Val Met Pro Asn Gly
 165 170 175
 Met Leu Lys Ser Asn Gln Gln Leu Val Asp Ile Ile Glu Lys Val Lys
 180 185 190
 Pro Glu Ile Arg Leu Leu Ile Glu Lys Cys Asn Thr Val Lys Met Trp
 195 200 205
 Val Gln Leu Leu Ile Pro Arg Ile Glu Xaa Gly Asn Asn Phe Gly Val
 210 215 220
 Ser Ile Gln Glu Glu Thr Val Ala Glu Leu Arg Thr Val Glu Ser Glu
 225 230 235 240
 Ala Ala Ser Tyr Leu Asp Gln Ile Ser Arg Tyr Tyr Ile Thr Arg Ala
 245 250 255
 Lys Leu Val Ser Lys Ile Ala Lys Tyr Pro His Val Glu Asp Tyr Arg
 260 265 270
 Arg Thr Val Thr Glu Ile Asp Glu Lys Glu Tyr Ile Ser Leu Arg Leu
 275 280 285
 Ile Ile Ser Glu Leu Arg Asn Gln Tyr Val Thr Leu His Asp Met Ile
 290 295 300
 Leu Lys Asn Ile Glu Lys Ile Lys Arg Pro Arg Ser Ser Asn Ala Glu
 305 310 315 320
 Thr Leu Tyr

<211> 314

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (300)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 966

Val Ser Pro Gln Lys Ala Ala Ser Leu Val Arg Ile Arg Trp Arg His
1 5 10 15

Val Arg Pro Ser Pro Pro Ser Ala Ser Arg Leu Arg Arg Leu Pro Pro
20 25 30

Arg His Leu Thr Val Ala Xaa Arg Pro Arg Arg Glu Gly Val Gly Thr
35 40 45

Gly Ser Arg Ala Val Leu Cys Ile Leu Ala Thr Cys Gly Ser Lys Met
50 55 60

Ser Asp Ile Gly Asp Trp Phe Arg Ser Ile Pro Ala Ile Thr Arg Tyr
65 70 75 80

Trp Phe Ala Ala Thr Val Ala Val Pro Leu Val Gly Lys Leu Gly Leu
85 90 95

Ile Ser Pro Ala Tyr Leu Phe Leu Trp Pro Glu Ala Phe Leu Tyr Arg
100 105 110

Phe Gln Ile Trp Arg Pro Ile Thr Ala Thr Phe Tyr Phe Pro Val Gly
115 120 125

Pro Gly Thr Gly Phe Leu Tyr Leu Val Asn Leu Tyr Phe Leu Tyr Gln
130 135 140

Tyr Ser Thr Arg Leu Glu Thr Gly Ala Phe Asp Gly Arg Pro Ala Asp
145 150 155 160

Tyr Leu Phe Met Leu Leu Phe Asn Trp Ile Cys Ile Val Ile Thr Gly
165 170 175

Leu Ala Met Asp Met Gln Leu Leu Met Ile Pro Leu Ile Met Ser Val
180 185 190

Leu Tyr Val Trp Ala Gln Leu Asn Arg Asp Met Ile Val Ser Phe Trp
 195 200 205
 Phe Gly Thr Arg Phe Lys Ala Cys Tyr Leu Pro Trp Val Ile Leu Gly
 210 215 220
 Phe Asn Tyr Ile Ile Gly Gly Ser Val Ile Asn Glu Leu Ile Gly Asn
 225 230 235 240
 Leu Val Gly His Leu Tyr Phe Phe Leu Met Phe Arg Tyr Pro Met Asp
 245 250 255
 Leu Gly Gly Arg Asn Phe Leu Ser Thr Pro Gln Phe Leu Tyr Arg Trp
 260 265 270
 Leu Pro Ser Arg Arg Gly Gly Val Ser Gly Phe Gly Val Pro Pro Ala
 275 280 285
 Ser Met Arg Arg Ala Ala Asp Gln Asn Gly Gly Xaa Gly Arg His Asn
 290 295 300
 Trp Gly Gln Gly Phe Arg Leu Gly Asp Gln
 305 310

<210> 967

<211> 181

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (163)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (175)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 967

Thr Ser Ser Asp Thr Leu Thr Val Leu Ser Arg Ala Arg Leu Gly Ser
 1 5 10 15

Leu Leu Trp Gln Asn Leu Gly Ser Gln Glu Val Leu Val Pro Gly Asn
 20 25 30

Ser Cys Phe Ser Gly Ala Gly Leu Tyr Ser Leu Gln Pro Leu Ala Leu
 35 40 45

Pro Ser Trp Asn Gln Gly Gln Arg Leu Ser Pro Thr Leu Val Ser Ile
 50 55 60
 Phe Gln Lys Thr Gly Asn Ala Val Arg Ala Ile Gly Arg Leu Ser Ser
 65 70 75 80
 Met Ala Met Ile Ser Gly Leu Ser Gly Arg Lys Ser Ser Thr Gly Ser
 85 90 95
 Pro Thr Ser Pro Leu Asn Ala Glu Lys Leu Glu Ser Glu Glu Asp Val
 100 105 110
 Ser Gln Ala Phe Leu Glu Ala Val Ala Glu Glu Lys Pro His Val Lys
 115 120 125
 Pro Tyr Phe Ser Lys Thr Ile Arg Asp Leu Glu Val Val Glu Gly Ser
 130 135 140
 Ala Ala Arg Phe Asp Cys Lys Ile Glu Gly Tyr Pro Asp Pro Glu Val
 145 150 155 160
 Val Trp Xaa Gln Arg Trp Thr Ser Ser Ile Arg Glu Ser Arg Xaa Phe
 165 170 175
 Pro Asp Arg Leu Arg
 180

<210> 968

<211> 291

<212> PRT

<213> Homo sapiens

<400> 968

His Gly Ala Gly Glu Ser Glu Pro Ser Ser Arg Val Pro Arg Arg Ala
 1 5 10 15
 Ala Ser Pro Gly His Val Pro Arg Leu Arg Gly Thr Arg Pro Glu Leu
 20 25 30
 Arg Glu Arg Arg Arg Val Arg Arg Pro Arg Ala Pro Pro Ala Ala Ala
 35 40 45
 Gln Ala Ala Gln Gln Lys Phe His Leu Val Pro Ser Ile Asn Thr Met
 50 55 60
 Ser Gly Ser Gln Glu Leu Gln Trp Met Val Gln Pro His Phe Leu Gly
 65 70 75 80
 Pro Ser Ser Tyr Pro Arg Pro Leu Thr Tyr Pro Gln Tyr Ser Pro Pro

[illegible]

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<210> 969
<211> 313
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (312)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (313)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 969

Glu Glu Glu Lys Lys Asp Ser Gly Val Ala Ser Thr Glu Asp Ser Ser
1 5 10 15

Ser Ser His Ile Thr Ala Ala Ala Ile Ala Ala Lys Lys His Pro Phe
20 25 30

Tyr Thr Xaa Pro Ala Val Val Met Ala His Gly Glu Gln Pro Ile Pro
35 40 45

Gly Leu Ile Asn Tyr Ser His His Ser Thr Asp Glu Arg Xaa Pro Asp
50 55 60

Ser Ile Ile Ser Arg Gly Val Gln Val Leu Pro Arg Asp Thr Ala Ser
65 70 75 80

Leu Ser Thr Thr Pro Ser Glu Ser Pro Arg Ala Gln Ala Thr Ser Arg
85 90 95

Leu Ser Thr Ala Ser Cys Pro Thr Pro Lys Val Gln Ser Arg Cys Ser
100 105 110

Ser Lys Glu Asn Ile Leu Arg Ala Xaa His Ser Ala Val Asp Ile Thr
115 120 125

Lys Val Ala Arg Arg His Arg Met Xaa Pro Phe Pro Leu Thr Ser Met
130 135 140

Asp Lys Ala Phe Ile Thr Val Leu Glu Met Thr Pro Val Leu Gly Thr
145 150 155 160

Glu Ile Ile Asn Tyr Arg Asp Gly Met Gly Arg Val Leu Ala Gln Asp
165 170 175

Val Tyr Ala Lys Asp Asn Leu Pro Pro Phe Pro Ala Ser Val Lys Asp
180 185 190

Gly Tyr Ala Val Arg Ala Ala Asp Gly Pro Gly Asp Arg Phe Ile Ile
195 200 205

Gly Glu Ser Gln Ala Gly Glu Gln Pro Thr Gln Thr Val Met Pro Gly
210 215 220

Gln Val Met Arg Val Thr Thr Gly Ala Pro Ile Pro Cys Gly Ala Asp
225 230 235 240

Ala Val Val Gln Val Glu Asp Thr Glu Leu Ile Arg Glu Ser Asp Asp
245 250 255

Gly Thr Glu Glu Leu Glu Val Arg Ile Leu Val Gln Ala Arg Pro Gly
260 265 270

Gln Asp Ile Arg Pro Ile Gly His Asp Ile Lys Arg Gly Glu Cys Val
275 280 285

Leu Ala Lys Gly Thr His Met Gly Pro Ser Glu Ile Gly Leu Leu Ala
290 295 300

Thr Val Gly Val Thr Glu Val Xaa Xaa
305 310

<210> 970

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 970

His Met Lys Lys Gln Leu Leu Val Pro Asp Tyr Gly His Phe His Val

1 5 10 15

Xaa Glu Phe Leu Lys Leu Ser Leu Leu Arg Met Val Leu Leu Pro Ala
 20 25 30

Asp Ser Tyr Leu Phe Val Phe Ser Ser Phe
 35 40

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<210> 971
<211> 67
<212> PRT
<213> Homo sapiens
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<400> 971
Gln Lys Asp Arg Glu Ile Arg Ile Phe Cys Ala Glu Ser Pro Lys Phe
 1             5             10             15
Pro Pro Glu Cys Asn Leu Gln Leu Pro Tyr Leu Leu Ser His Met Pro
          20             25             30
Ser Asn Met Leu Asp Trp Leu Ile His Arg Pro Thr Gln Asn Thr Asn
          35             40             45
Val Thr Cys Ser Cys Ser Leu Val Ala Ile Cys Leu Phe Ser Met Tyr
          50             55             60
Pro Ala Trp
 65

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<210> 972
<211> 54
<212> PRT
<213> Homo sapiens
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<400> 972
Ile Val Phe Phe Phe Ser Leu Phe Tyr Lys Cys Gln Phe Asn Ser Arg
 1             5             10             15
Ala Leu Ala Gln Tyr Phe Leu Met Ile Phe Ser Pro Arg Lys Arg Arg
      20             25             30
Lys Ser Leu Leu Val Thr Gln Leu Arg Cys Gln Thr Ser Ser Glu Thr
      35             40             45
Cys Thr Val Ala Ala Tyr
      50

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<210> 973

<211> 102

<212> PRT

<213> Homo sapiens

<400> 973

Val Val Leu Phe Glu His Lys Leu His Phe Tyr Phe Leu Met Gln Arg
1 5 10 15

Met Asn Lys Leu Asn Thr Cys Phe Glu Asp Arg Ser Arg Cys Ser Val
20 25 30

Trp His His Val Ile Ile Cys Leu Phe Tyr Asn Ile His Val Ser Leu
35 40 45

Arg Asn His Gly Arg Asp Val Arg Ala Glu Tyr Thr Gln Gln Met Leu
50 55 60

Lys Glu Lys Glu Gly Ser Val Leu Gln Lys Lys Lys Lys Arg Thr Asn
65 70 75 80

Arg Ile Leu Thr Leu Leu Thr Phe Pro Asn Phe Pro Met Leu Leu Val
85 90 95

Asn Ile Ile Ile Val Ser
100

<210> 974

<211> 365

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (297)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (316)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (321)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (335)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (347)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (363)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 974

Gly	Met	Lys	Thr	Asn	Gly	Gly	Arg	Cys	Arg	Val	Arg	Ala	Leu	Cys	Trp
1				5						10					15

Ser	Arg	Arg	Glu	Trp	Arg	Gly	Ala	Gly	Met	Ala	Gln	Lys	Lys	Tyr	Leu
			20					25						30	

Gln	Ala	Lys	Leu	Thr	Gln	Phe	Leu	Arg	Glu	Asp	Arg	Ile	Gln	Leu	Trp
		35					40					45			

Lys	Pro	Pro	Tyr	Thr	Asp	Glu	Asn	Lys	Lys	Val	Gly	Leu	Ala	Leu	Lys
	50						55				60				

Asp	Leu	Ala	Lys	Gln	Tyr	Ser	Asp	Arg	Leu	Glu	Cys	Cys	Glu	Asn	Glu
65					70					75					80

Val	Glu	Lys	Val	Ile	Glu	Glu	Ile	Arg	Cys	Lys	Ala	Ile	Glu	Arg	Gly
			85						90						95

Thr	Gly	Asn	Asp	Asn	Tyr	Arg	Thr	Thr	Gly	Ile	Ala	Thr	Ile	Glu	Val
			100					105					110		

Phe	Leu	Pro	Pro	Arg	Leu	Lys	Lys	Asp	Arg	Lys	Asn	Leu	Leu	Glu	Thr
		115					120					125			

Arg	Leu	His	Ile	Thr	Gly	Arg	Glu	Leu	Arg	Ser	Lys	Ile	Ala	Glu	Thr
	130					135					140				

Phe	Gly	Leu	Gln	Glu	Asn	Tyr	Ile	Lys	Ile	Val	Ile	Asn	Lys	Lys	Gln
145					150					155					160

Leu	Gln	Leu	Gly	Lys	Thr	Leu	Glu	Glu	Gln	Gly	Val	Ala	His	Asn	Val
			165						170					175	

Lys	Ala	Met	Val	Leu	Glu	Leu	Lys	Gln	Ser	Glu	Glu	Asp	Ala	Arg	Lys
			180					185						190	

Asn Phe Gln Leu Glu Glu Glu Glu Gln Asn Glu Ala Lys Leu Lys Glu
 195 200 205

Lys Gln Ile Gln Arg Thr Lys Arg Gly Leu Glu Ile Leu Ala Lys Arg
 210 215 220

Ala Ala Glu Thr Val Val Asp Pro Glu Met Thr Pro Tyr Leu Asp Ile
 225 230 235 240

Ala Asn Gln Thr Gly Arg Ser Ile Arg Ile Pro Pro Ser Glu Arg Lys
 245 250 255

Ala Leu Met Leu Ala Met Gly Tyr His Glu Lys Gly Arg Ala Phe Leu
 260 265 270

Lys Arg Lys Glu Tyr Gly Ile Ala Leu Pro Cys Leu Leu Asp Ala Asp
 275 280 285

Lys Tyr Phe Cys Glu Cys Cys Arg Xaa Leu Leu Asp Thr Val Asp Asn
 290 295 300

Tyr Ala Val Leu Gln Leu Asp Ile Val Trp Cys Xaa Phe Arg Leu Glu
 305 310 315 320

Xaa Leu Glu Cys Leu Asp Asp Ala Glu Lys Lys Leu Asn Leu Xaa Gln
 325 330 335

Lys Cys Phe Lys Asn Cys Tyr Gly Glu Asn Xaa Gln Arg Leu Val His
 340 345 350

Ile Lys Val Cys Ser Trp Glu Phe Ile Leu Xaa Ala Arg
 355 360 365

<210> 975

<211> 146

<212> PRT

<213> Homo sapiens

<400> 975

Arg Gly Cys Lys Arg Glu Gly Leu Ala Met Ser Ser Leu Ile Arg Arg
 1 5 10 15

Val Ile Ser Thr Ala Lys Ala Pro Gly Ala Ile Gly Pro Tyr Ser Gln
 20 25 30

Ala Val Leu Val Asp Arg Thr Ile Tyr Ile Ser Gly Gln Ile Gly Met
 35 40 45

Asp Pro Ser Ser Gly Gln Leu Val Ser Gly Gly Val Ala Glu Glu Ala
50 55 60

Lys Gln Ala Leu Lys Asn Met Gly Glu Ile Leu Lys Ala Ala Gly Cys
65 70 75 80

Asp Phe Thr Asn Val Val Lys Thr Thr Val Leu Leu Ala Asp Ile Asn
85 90 95

Asp Phe Asn Thr Val Asn Glu Ile Tyr Lys Gln Tyr Phe Lys Ser Asn
100 105 110

Phe Pro Ala Arg Ala Ala Tyr Gln Val Ala Ala Leu Pro Lys Gly Ser
115 120 125

Arg Ile Glu Ile Glu Ala Val Ala Ile Gln Gly Pro Leu Thr Thr Ala
130 135 140

Ser Leu
145

<210> 976

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 976

Ser Ser Glu Leu Leu Leu His Ser Phe Leu Gly Ser Val Ser Ser Gln
1 5 10 15

Asn His Arg Tyr Pro Xaa Xaa Ser Gln Thr Thr Ala Leu Gly Glu Gly
20 25 30

Thr Ile Arg Phe Thr Xaa Gly Phe His Thr Leu Met Leu Leu Ala Phe
35 40 45

Asn Leu Thr Thr Leu Asp Cys Gln Val Phe Thr Asp Xaa Trp Thr Trp
50 55 60

Ile Gln Asp Trp Glu Cys Xaa Gly Met Val Trp Gln Gln Cys Leu Leu
65 70 75 80

<210> 977

<211> 59

<212> PRT

<213> Homo sapiens

<400> 977

Thr Asp Asp Glu Phe Ser Gln Met Thr Leu Arg Asn Cys Phe Thr Lys
1 5 10 15

Asn Lys Val Ile Tyr Leu Leu Trp Glu Glu Leu Pro Ser Phe Cys Phe
20 25 30

Ser Ser Leu Pro Pro Phe Pro Cys Gly Cys Arg Ala Arg Ser Val Arg
35 40 45

Ser Trp Phe Cys Pro Ala Met Ile Arg Glu Ser
50 55

<210> 978

<211> 203

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (188)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 978

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Leu Trp Glu Leu Lys Lys Leu Ser Val His Phe His Pro Ser Val Ala
 1             5             10             15

Leu Phe Ala Lys Thr Ile Leu Gln Gly Asn Tyr Ile Gln Tyr Ser Gly
      20             25             30

Asp Pro Leu Gln Asp Phe Thr Leu Met Arg Phe Leu Asp Arg Phe Val
      35             40             45

Tyr Arg Asn Pro Lys Pro His Lys Gly Lys Glu Asn Thr Asp Ser Val
      50             55             60

Val Met Gln Pro Lys Arg Lys His Phe Ile Lys Asp Ile Arg His Leu
      65             70             75             80

Pro Val Asn Ser Lys Glu Phe Leu Ala Lys Glu Glu Ser Gln Ile Pro
      85             90             95

Val Asp Glu Val Phe Phe His Arg Tyr Tyr Lys Lys Val Ala Val Lys
      100            105            110

Glu Lys Gln Lys Arg Asp Ala Asp Glu Glu Ser Ile Glu Asp Val Asp
      115            120            125

Asp Glu Glu Phe Glu Glu Leu Ile Asp Thr Phe Glu Asp Asp Asn Cys
      130            135            140

Phe Ser Ser Gly Lys Asp Asp Met Asp Phe Ala Gly Asn Val Lys Lys
      145            150            155            160

Arg Thr Lys Gly Ala Lys Asp Asn Thr Leu Asp Glu Asp Ser Glu Gly
      165            170            175

Ser Asp Asp Glu Leu Gly Asn Leu Asp Asp Asp Xaa Ser Phe Phe Arg
      180            185            190

Glu Val Trp Met Met Glu Glu Phe Ala Gly Ser
      195            200

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<210> 979

<211> 141

<212> PRT

<213> Homo sapiens

<400> 979

Ala Ala Gly Phe Gly Asp Phe Cys Leu Ile Ala Met Ser Gly Arg Gly

1					5						10					15
Lys	Gln	Gly	Gly	Lys	Ala	Arg	Ala	Lys	Ala	Lys	Ser	Arg	Ser	Ser	Arg	
			20					25					30			
Ala	Gly	Leu	Gln	Phe	Pro	Val	Gly	Arg	Val	His	Arg	Leu	Leu	Arg	Lys	
		35					40					45				
Gly	Asn	Tyr	Ala	Glu	Arg	Val	Gly	Ala	Gly	Ala	Pro	Val	Tyr	Leu	Ala	
	50					55					60					
Ala	Val	Leu	Glu	Tyr	Leu	Thr	Ala	Glu	Ile	Leu	Glu	Leu	Ala	Gly	Asn	
65					70					75					80	
Ala	Ala	Arg	Asp	Asn	Lys	Lys	Thr	Arg	Ile	Ile	Pro	Arg	His	Leu	Gln	
				85					90					95		
Leu	Ala	Ile	Arg	Asn	Asp	Glu	Glu	Leu	Asn	Lys	Leu	Leu	Gly	Arg	Val	
			100					105					110			
Thr	Ile	Ala	Gln	Gly	Gly	Val	Leu	Pro	Asn	Ile	Gln	Ala	Val	Leu	Leu	
		115					120					125				
Pro	Lys	Lys	Thr	Glu	Ser	His	His	Lys	Ala	Lys	Gly	Lys				
	130					135					140					

<210> 980

$\langle 211 \rangle$ 111

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 980

Gly Glu Leu Ser Phe Phe Gly Arg His Pro Asp Val Pro Arg Glu Ala
1 5 10 15

Ala Gly Ala His Gly Asp Arg His Ala Ser Pro Trp Ala Phe Phe Leu
20 25 30

Glu Arg Xaa Lys Ala Pro Arg Leu Thr Thr Arg Ser His Arg Leu Leu
35 40 45

Ser Asp Val Phe Ala Ala Ser Trp Thr Pro His Arg Met Leu Thr Thr
50 55 60

Lys Thr Leu Gln Pro Trp Val Ala Arg Leu Asp Glu Met Glu Arg Gly
 65 70 75 80

Leu Phe Gln Thr Gly Gln Lys Gly Leu Asn Asp Phe Gln Cys Trp Glu
 85 90 95

Lys Gly Gln Ala Ser Gln Ile Thr Ala Ser Asn Leu Val Gln Asn
 100 105 110

<210> 981

<211> 167

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (162)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 981

Trp Arg Met Gly Phe Ser Arg Val Leu Cys Phe Thr Asn Ser Arg Glu
 1 5 10 15

Asn Ser His Arg Leu Phe Leu Leu Val Gln Ala Phe Gly Gly Val Asp
 20 25 30

Val Ala Glu Phe Ser Ser Arg Tyr Gly Pro Gly Gln Arg Arg Met Ile
 35 40 45

Leu Lys Gln Phe Glu Gln Gly Lys Ile Gln Leu Leu Ile Ser Thr Asp
 50 55 60

Ala Thr Ala Arg Gly Xaa Asp Val Gln Gly Val Glu Leu Val Val Asn
 65 70 75 80

Tyr Asp Ala Pro Gln Tyr Leu Arg Thr Tyr Val His Arg Val Gly Arg
 85 90 95

Thr Ala Arg Ala Gly Lys Thr Gly Gln Ala Phe Thr Leu Leu Leu Lys
 100 105 110

Val Gln Glu Arg Arg Phe Leu Arg Met Leu Thr Glu Ala Gly Ala Pro
 115 120 125

Glu Leu Gln Arg His Glu Leu Ser Ser Lys Leu Leu Gln Pro Leu Val
130 135 140

Pro Arg Tyr Glu Glu Ala Leu Ser Gln Leu Glu Glu Ser Val Lys Glu
145 150 155 160

Glu Xaa Lys Gln Arg Ala Ala
165

<210> 982

<211> 108

<212> PRT

<213> Homo sapiens

<400> 982

Ala Asn Glu Pro Gln Phe Leu Ala Val Tyr Lys Lys Ser Leu Asn Ala
1 5 10 15

Asn Glu Glu Phe Lys Gly Leu Phe Lys Glu Met Lys Gly Phe Pro Asn
20 25 30

Arg Met Ile Tyr Ser Glu Glu Thr Asn Asn Gly Ile Ser Glu Thr His
35 40 45

Asn Leu Lys Pro Asn Leu Glu Asn Met Leu Cys Thr Lys Thr Thr Ala
50 55 60

Ser Ala Ser Ser Leu Ile Leu Thr Phe Phe Asn Arg Tyr Leu Leu Asn
65 70 75 80

Cys Pro Val Lys Arg Cys His Asn Ala Gln Tyr Cys Lys Gln Gln Val
85 90 95

Cys Ile His Glu Ala Phe Ile His Ser Gly Val Tyr
100 105

<210> 983

<211> 150

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (150)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 983

Phe Ser Leu Ser Leu Ser Met Thr Pro Gln Leu Leu Leu Ala Leu Val
 1 5 10 15
 Leu Trp Ala Ser Cys Pro Pro Cys Ser Gly Arg Lys Gly Pro Pro Ala
 20 25 30
 Ala Leu Thr Leu Pro Arg Val Gln Cys Arg Ala Ser Arg Tyr Pro Ile
 35 40 45
 Ala Val Asp Cys Ser Trp Thr Leu Pro Pro Ala Pro Asn Ser Thr Ser
 50 55 60
 Pro Val Ser Phe Ile Ala Thr Tyr Arg Leu Gly Met Ala Ala Arg Gly
 65 70 75 80
 His Ser Trp Pro Cys Leu Gln Gln Thr Pro Thr Ser Thr Ser Cys Thr
 85 90 95
 Ile Thr Asp Val Gln Leu Phe Ser Met Ala Pro Tyr Val Leu Asn Val
 100 105 110
 Thr Ala Val His Pro Trp Gly Ser Ser Ser Ser Phe Val Pro Phe Ile
 115 120 125
 Thr Glu His Ile Ile Lys Pro Asp Pro Pro Glu Gly Val Arg Leu Ser
 130 135 140
 Pro Leu Ala Glu Arg Xaa
 145 150

<210> 984

<211> 158

<212> PRT

<213> Homo sapiens

<400> 984

Arg Leu Cys Trp Val Lys Thr Leu Gln His Leu Leu Leu Arg Ser Thr
 1 5 10 15
 His Lys Asp Gln Val Gln His Arg Gly Leu Gly Thr Ser Leu Ala Ser
 20 25 30
 Gly Pro His Leu Thr Val Arg Gln Gln Leu Pro Ser Pro Ala Met Cys
 35 40 45
 Leu Leu Ser Gly Ser Ser Cys Leu Lys Leu Thr Ser Thr Phe Phe Pro
 50 55 60
 Asp Gly Gln Val Ala Glu Gly Pro Ala Ile Ser Val Ala Cys Cys His

65						70						75						80
Pro	Val	Pro	Pro	Leu	Ala	Ser	Leu	Ser	Phe	Ala	Gln	Lys	Thr	Asn	Asn			
				85					90					95				
His	Thr	Tyr	Pro	Asn	Trp	Asp	Thr	Thr	Leu	Gln	Asn	Ala	Asp	Asp	Pro			
				100					105					110				
Phe	Trp	Arg	Lys	Leu	Ser	Leu	Glu	Leu	Ser	Glu	Leu	Pro	Gly	Lys	Gln			
				115					120					125				
Gly	Ile	Trp	Pro	Thr	Ser	Leu	Thr	Thr	Ala	Ala	Pro	Thr	Ser	Pro	Arg			
				130					135					140				
Thr	Gly	Ala	Ser	Ala	Leu	Thr	Glu	Val	Gly	Arg	Pro	Lys	Thr					
145					150					155								

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<210> 985
<211> 40
<212> PRT
<213> Homo sapiens
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<400> 985
Arg Trp Gly Cys Pro Gly Trp Ser Gln Thr Pro Glu Leu Lys Gln Cys
 1             5             10             15
Ala Arg Leu Gly Phe Pro Lys Cys Trp Asp Tyr Arg Arg Lys Pro Leu
      20             25             30
His Ala Ala Tyr Pro Leu Pro Phe
      35             40

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<210> 986
<211> 63
<212> PRT
<213> Homo sapiens
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<400> 986
Val Phe Gly Ser Phe Ser Cys Ile His Ser Pro Ser Cys His Leu Val
  1                   5                   10                   15
Lys Lys Val Pro Trp Phe Pro Phe Thr Phe Asn His Asp Cys Lys Phe
      20                   25                   30
Pro Glu Ala Pro Pro Ala Met Gly Asp Cys Glu Ser Ile Lys Pro Leu
      35                   40                   45

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Ser Phe Ile Asn Tyr Pro Val Ser Gly Ser Phe Leu Ile Ala Val
 50 55 60

<210> 987

<211> 90

<212> PRT

<213> Homo sapiens

<400> 987

His His Arg Ile Asn Cys Val His Leu Tyr His Cys Phe Thr Ser Leu
 1 5 10 15

Trp Trp Ile Tyr Met Ala Lys Leu Cys Glu Glu Ile Gly Lys Lys Lys
 20 25 30

Leu Pro Leu Thr Lys Asp Met Arg Glu Gln Gly Val Lys Ser Asn Pro
 35 40 45

Cys Asp Ser Ser Leu Ser His Thr Asp Arg Trp Tyr Leu Pro Val Ser
 50 55 60

Ser Thr Leu Phe Ser Leu Phe Lys Ile Leu Phe His Ala Ser Arg Phe
 65 70 75 80

Ile Phe Val Leu Ser Thr Ser Leu Phe Leu
 85 90

<210> 988

<211> 50

<212> PRT

<213> Homo sapiens

<400> 988

Ala Gln Glu Glu Lys Lys Pro Tyr Leu Cys Ser Arg Phe Cys Lys Gly
 1 5 10 15

Glu Ile Ser Thr Glu Arg Asn His Cys Tyr Thr Ser Ala Lys Thr Gln
 20 25 30

Gly Leu Gly Asp Leu Phe Leu Phe Ile Cys Phe Gly Tyr Leu Ala Ser
 35 40 45

Phe Ser
 50

<210> 989
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 989
 Arg Met Lys Arg Ser Arg Arg Trp Ser Arg Tyr Lys Ala Leu Asn Ala
 1 5 10 15
 Gly Arg Thr Ser Lys Arg Ile His Lys Gly Leu Val Val Arg Lys Gly
 20 25 30
 Trp Leu Gly Lys Leu Pro Ser Leu Pro Leu Arg Trp Arg Ala Arg Gly
 35 40 45
 Val Met Thr Leu Met Phe Ile Leu Leu Ala Ala Met Leu Trp Phe Val
 50 55 60
 Ala Ala Pro Val Val Thr Tyr Ile Leu Cys Ala Leu Val Val Leu Leu
 65 70 75 80
 Ala Ala Pro Val Leu Asn Gly Arg Leu Tyr Ala Arg
 85 90

<210> 990
 <211> 87
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 990
 Ser Gly Leu Ile Pro Phe Pro Phe Gln Arg Ile Ala Lys Lys Lys Leu
 1 5 10 15
 Thr Val Glu Ala Gly Cys Ser Glu Val Gly Cys Gly Val Gly Gly Thr
 20 25 30
 Xaa Gly Xaa Ala Leu Trp Ala Gly Ala Gly Gly Phe Glu Gly Leu Ser
 35 40 45

Ser Thr Arg Ala Gln Arg Ser Cys Gln Trp Pro Val Ala Leu Pro Pro
 50 55 60

Phe Pro Glu Arg Gly Ser Arg Gly His Pro Gly Arg Leu Gly Pro Gly
 65 70 75 80

Pro Pro Ser Ala Leu Ala Ser
 85

<210> 991

<211> 184

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 991

Phe Ala Thr Asp Arg Phe Phe Lys Cys Trp His Asn Ala Gln Ser Ser
 1 5 10 15

Met Arg Glu Gln Pro Ile Phe Thr Thr Arg Ala His Val Phe Gln Ile
 20 25 30

Asp Pro Asn Thr Lys Lys Asn Trp Met Pro Ala Ser Lys Xaa Ala Val
 35 40 45

Thr Val Ser Tyr Phe Tyr Asp Val Thr Arg Asn Ser Tyr Arg Ile Ile
 50 55 60

Ser Val Asp Gly Ala Lys Val Ile Ile Asn Ser Thr Ile Thr Pro Asn
 65 70 75 80

Met Thr Phe Thr Lys Thr Ser Gln Lys Phe Gly Gln Trp Ala Asp Ser
 85 90 95

Arg Ala Asn Thr Val Phe Gly Leu Gly Phe Ser Ser Glu Gln Gln Leu
 100 105 110

Thr Lys Phe Ala Glu Lys Phe Gln Glu Val Lys Glu Ala Ala Lys Ile
 115 120 125

Ala Lys Asp Lys Thr Gln Glu Lys Ile Glu Thr Ser Ser Asn His Ser
130 135 140

Gln Ala Ser Ser Val Asn Xaa Thr Asp Asp Glu Lys Ala Ser His Ala
145 150 155 160

Gly Pro Ala Asn Thr His Leu Lys Ser Glu Asn Asp Lys Leu Lys Ile
165 170 175

Ala Leu Thr Gln Ser Ala Pro Thr
180

<210> 992

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 992

Pro Cys His Leu Gln His Glu Glu Ser Leu Ser Gly Val Lys Val Asn
1 5 10 15

Glu Thr Asn Arg Asp Xaa Arg Pro Gly Glu Ile Leu Val Thr Leu Leu
20 25 30

Glu Ser Cys Gln Ser Tyr Thr Gly Val Leu Leu Ile Gln Asn Asn Ser
35 40 45

Asn Asn Pro Ser Val Ser Tyr Val Tyr Ala Asn Phe Asn Lys Lys Lys
50 55 60

Leu Asp
65

<210> 993

<211> 434

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 993

Ser Gly Pro Gly Val Gln Trp Val Gln Pro Ala Cys Xaa Leu Arg Pro
 1 5 10 15

Asp Arg Gly Ala Pro Thr Asp Gly Xaa Gly Gly Ala Leu Gln Ala Glu
 20 25 30

Thr Pro Ser Ser Ala Glu Ser Gln Glu Phe Trp Glu Val Lys Arg Lys
 35 40 45

Glu Lys Leu Ile Thr Asn Gly Thr Ile Phe Cys Phe Glu Met Glu Pro
 50 55 60

Ala Val Ser Glu Pro Met Arg Asp Gln Val Ala Arg Thr His Leu Thr
 65 70 75 80

Glu Asp Thr Pro Lys Val Asn Ala Asp Ile Glu Lys Val Asn Xaa Asn
 85 90 95

Gln Ala Xaa Arg Cys Thr Val Ile Gly Gly Ser Gly Phe Leu Gly Gln
 100 105 110

His Met Val Glu Gln Leu Leu Ala Arg Gly Tyr Ala Val Asn Val Phe
 115 120 125

Asp Ile Gln Gln Gly Phe Asp Asn Pro Gln Val Arg Phe Phe Leu Gly
 130 135 140

Asp Leu Cys Ser Arg Gln Asp Leu Tyr Pro Ala Leu Lys Gly Val Asn
 145 150 155 160

Thr Val Phe His Cys Ala Ser Pro Pro Pro Ser Ser Asn Asn Lys Glu
 165 170 175

Leu Phe Tyr Arg Val Asn Tyr Ile Gly Thr Lys Asn Val Ile Glu Thr

180	185	190
Cys Lys Glu Ala Gly Val Gln Lys Leu Ile Leu Thr Ser Ser Ala Ser		
195	200	205
Val Ile Phe Glu Gly Val Asp Ile Lys Asn Gly Thr Glu Asp Leu Pro		
210	215	220
Tyr Ala Met Lys Pro Ile Asp Tyr Tyr Thr Glu Thr Lys Ile Leu Gln		
225	230	235
Glu Arg Ala Val Leu Gly Ala Asn Asp Pro Glu Lys Asn Phe Leu Thr		
245	250	255
Thr Ala Ile Arg Pro His Gly Ile Phe Gly Pro Arg Asp Pro Gln Leu		
260	265	270
Val Pro Ile Leu Ile Glu Ala Ala Arg Asn Gly Lys Met Lys Phe Val		
275	280	285
Ile Gly Asn Gly Lys Asn Leu Val Asp Phe Thr Phe Val Glu Asn Val		
290	295	300
Val His Gly His Ile Leu Ala Ala Glu Gln Leu Ser Arg Asp Ser Thr		
305	310	315
Leu Gly Gly Lys Ala Phe His Ile Thr Asn Asp Glu Pro Ile Pro Phe		
325	330	335
Trp Thr Phe Leu Ser Arg Ile Leu Thr Gly Leu Asn Tyr Glu Ala Pro		
340	345	350
Lys Tyr His Ile Pro Tyr Trp Val Ala Tyr Tyr Leu Ala Leu Leu Leu		
355	360	365
Ser Leu Leu Val Met Val Ile Ser Pro Val Ile Gln Leu Gln Pro Thr		
370	375	380
Phe Thr Pro Met Arg Val Ala Leu Ala Gly Thr Phe His Tyr Tyr Ser		
385	390	395
Cys Glu Arg Ala Lys Lys Ala Met Gly Tyr Gln Pro Leu Val Thr Met		
405	410	415
Asp Asp Ala Met Glu Arg Thr Val Gln Ser Phe Arg His Leu Arg Arg		
420	425	430
Val Lys		

<210> 994
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 994
Met Leu His Gly Ile Thr Ser Phe Ile Leu Tyr Lys Ser Ile Met Cys
1 5 10 15

Xaa Glu Leu Lys Thr Ser Leu Gly Asn Ile Asn Ser Ser
20 25

<210> 995
<211> 175
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 995
Arg Gly Leu Val Arg Gly Ala Met Val Gly Gly Met Gln Glu Arg Glu
1 5 10 15

Pro Ala Leu Thr Val Lys Leu Arg Leu Phe Xaa Pro Gln Pro Ser Thr
20 25 30

Pro Ala Gln Thr Gly Ser Trp Ala Leu Phe Cys Leu Ser Gln Pro His
 35 40 45
 Ser Lys Pro Xaa Pro Pro Ala Pro Pro Tyr Cys Asn Ser Pro His Ser
 50 55 60
 His Thr Arg Ser Pro Leu Pro Pro Thr Tyr Xaa Arg Xaa Phe Ser Pro
 65 70 75 80
 Leu Pro Ser Gln Leu Pro Ala Pro Ser Cys Phe Thr Lys Gly Glu Val
 85 90 95
 Pro Gly His Leu Arg Val Ser Leu Cys Gly Ala Gln Asn Leu Gln Gly
 100 105 110
 Pro Leu Ser Met Pro Leu Val Pro Trp Thr Val Ser Leu Val His Leu
 115 120 125
 Leu Ser Pro Ser Ile Leu Ser Gln Ser Thr Asp Phe Ser His Ser Ala
 130 135 140
 Val Ser Val Gln Pro Tyr Pro Arg Asp Leu Asp Ala Trp Pro Pro Asn
 145 150 155 160
 Leu Ala Leu Gly Tyr Pro Asp Ala Asn Gln Thr Pro Pro Ser Ser
 165 170 175

<210> 996

<211> 218

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (172)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (173)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (182)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 996

Thr Leu Ser His Gln Val Thr Gln Gln Met Asn Met Leu Ile Gly Val
1 5 10 15

Glu Leu Gln Arg Leu Leu Val Cys Gln Val Phe Leu Phe Ile Gln Leu
20 25 30

Asp Thr Met His Ala Gln Lys Leu Leu Xaa Lys Met Gly Gly Ser Ala
35 40 45

Pro Pro Asp Ser Ser Trp Arg Gly Ser Leu Lys Val Pro Tyr Asn Val
50 55 60

Gly Pro Gly Phe Thr Gly Asn Phe Ser Thr Gln Lys Val Lys Met His
65 70 75 80

Ile His Ser Thr Asn Glu Val Thr Arg Ile Tyr Asn Val Ile Gly Thr
85 90 95

Leu Arg Gly Ala Val Glu Pro Asp Arg Tyr Val Ile Leu Gly Gly His
100 105 110

Arg Asp Ser Trp Val Xaa Gly Gly Ile Asp Pro Gln Ser Gly Ala Ala
115 120 125

Val Val His Glu Ile Val Arg Ser Phe Gly Thr Leu Lys Lys Glu Gly
130 135 140

Trp Arg Pro Arg Arg Thr Ile Leu Phe Ala Ser Trp Asp Ala Glu Glu
145 150 155 160

Phe Gly Leu Leu Gly Ser Thr Glu Trp Ala Glu Xaa Xaa Ser Arg Leu
165 170 175

Leu Gln Glu Arg Gly Xaa Gly Phe Ile Leu Asn Ala Asp Ser Ser Ile
180 185 190

Gly Arg Lys Leu His Ser Glu Glu Leu Asp Cys Thr Pro Leu Asp Val
195 200 205

Gln Leu Gly Thr Gln Pro Tyr Gln Arg Ala
210 215

<210> 997
<211> 119
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 997
Gly Arg Arg Gln Pro Thr Pro Xaa Thr Ser Pro Glu Pro Pro Arg Ser
1 5 10 15
Ser Pro Arg Gln Thr Pro Ala Pro Gly Pro Ala Arg Glu Lys Ser Ala
20 25 30
Gly Lys Arg Gly Pro Asp Arg Gly Ser Pro Glu Tyr Arg Gln Arg Arg
35 40 45
Glu Arg Asn Asn Ile Ala Val Arg Lys Ser Arg Asp Lys Ala Lys Arg
50 55 60
Arg Asn Gln Glu Met Gln Gln Lys Leu Val Glu Leu Ser Ala Glu Asn
65 70 75 80
Glu Lys Leu His Gln Arg Val Glu Gln Leu Thr Arg Asp Leu Ala Gly
85 90 95
Leu Arg Gln Phe Phe Lys Gln Leu Pro Ser Pro Pro Phe Leu Pro Ala
100 105 110
Ala Gly Thr Ala Asp Cys Arg
115

<210> 998
<211> 101
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 998

Leu Val Asn Gly Ala Arg Lys Val Thr Gly Gln Arg Thr Gln Met Tyr
 1 5 10 15

Arg Xaa Asp Met Xaa Asn Asn Lys Asn Gly Val Asp Gln Glu Ile Ile
 20 25 30

Phe Pro Pro Ile Lys Thr Asp Val Ile Thr Met Asp Pro Lys Asp Asn
 35 40 45

Cys Ser Lys Asp Ala Asn Asp Thr Leu Leu Leu Gln Leu Thr Asn Thr
 50 55 60

Ser Ala Tyr Tyr Met Tyr Leu Leu Leu Leu Lys Ser Val Val Tyr
 65 70 75 80

Phe Ala Ile Ile Thr Cys Cys Leu Leu Arg Arg Thr Ala Phe Cys Cys
 85 90 95

Asn Gly Glu Lys Ser
 100

<210> 999

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 999

Gly Thr Ser Ala Gly Val Asn Pro Tyr Lys Cys Ser Gln Cys Glu Lys
 1 5 10 15

Ser Phe Ser Gly Lys Leu Arg Leu Leu Val His Gln Arg Met His Thr
 20 25 30

Arg Glu Lys Pro Tyr Glu Cys Ser Glu Cys Gly Lys Ala Phe Ile Arg
 35 40 45

Asn Ser Gln Leu Ile Val His Gln Arg Thr His Ser Gly Glu Lys Pro
 50 55 60

Tyr Gly Xaa Gln
65

<210> 1000

<211> 320

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1000

Arg Pro Cys Glu Arg Thr Val Arg Pro Arg His Ser Gly His Ser Gly
1 5 10 15

Pro Asn Xaa Cys Cys Ser Cys Arg Cys Ser Ser Cys Thr Gly Glu Ala
20 25 30

Ala Ile Ala Gly Arg Leu Arg Thr Ala Ala Ala Gly Ala Arg Thr Ala
35 40 45

Gly Ala Ala Leu Arg His Leu Gly Ala Gly Gln Arg Glu Leu Gly Pro
50 55 60

Arg Leu Glu Glu Thr Lys Trp Glu Val Cys Gln Lys Ser Gly Glu Ile
65 70 75 80

Ser Leu Leu Lys Gln Gln Leu Lys Glu Ser Gln Ala Glu Leu Val Gln
85 90 95

Lys Gly Ser Glu Leu Val Ala Leu Arg Val Ala Leu Arg Glu Ala Arg
100 105 110

Ala Thr Leu Arg Val Ser Glu Gly Arg Ala Arg Gly Leu Gln Glu Ala
115 120 125

Ala Arg Ala Arg Glu Leu Glu Leu Glu Ala Cys Ser Gln Glu Leu Gln
130 135 140

Arg His Arg Gln Glu Ala Glu Gln Leu Arg Glu Lys Ala Gly Gln Leu
145 150 155 160

Asp Ala Glu Ala Ala Gly Leu Arg Glu Pro Pro Val Pro Pro Ala Thr
165 170 175

Ala Asp Pro Phe Leu Leu Ala Glu Ser Asp Glu Ala Lys Val Gln Arg
180 185 190

Ala Ala Ala Gly Val Gly Gly Ser Leu Arg Ala Gln Val Glu Arg Leu
195 200 205

Arg Val Glu Leu Gln Arg Glu Arg Arg Gly Glu Glu Gln Arg Asp
210 215 220

Ser Phe Glu Gly Glu Arg Leu Ala Trp Gln Ala Glu Lys Glu Gln Val
225 230 235 240

Ile Arg Tyr Gln Lys Gln Leu Gln His Asn Tyr Ile Gln Met Tyr Arg
245 250 255

Arg Asn Arg Gln Leu Glu Gln Glu Leu Gln Gln Leu Ser Leu Glu Leu
260 265 270

Glu Ala Arg Glu Leu Ala Asp Leu Gly Leu Ala Glu Gln Pro Pro Ala
275 280 285

Ser Ala Trp Arg Arg Ser Leu Leu Leu Arg Ser Arg Ala Leu Ser Asn
290 295 300

Gln Leu Cys Arg Glu Leu Cys Gln Arg Gly Ser Ser Cys Arg Ser Thr
305 310 315 320

<210> 1001

<211> 70

<212> PRT

<213> Homo sapiens

<400> 1001

Gly Leu Cys Phe Leu Pro Trp Val Gly Phe Ser Ser Met His Val Gly
1 5 10 15

Cys Phe Ser Leu Asn Leu Ile Val Cys Leu Val Cys Phe Pro Pro Phe
20 25 30

Pro Phe Leu Phe Lys Leu Ile His Arg Thr Gln Lys Phe Thr Arg Tyr
35 40 45

Glu His Leu Lys Lys Trp Asn Arg Glu Asn Gly Thr Ser His Val Ile
50 55 60

Lys Ile Asn Ile Val Leu
65 70

<210> 1002

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1002

Ile Phe Tyr Thr Ile Leu Gln Trp Asp Arg Asn Cys Leu Thr Pro Ala
1 5 10 15

Gly Val Thr Pro His Glu Pro Gln Gly Ser Ser Val Pro Lys Xaa Lys
20 25 30

Lys Gly Asn Arg Trp Pro Pro Pro Leu Pro His Ser Pro Gly Thr Gln
35 40 45

Asp Cys Ser Leu Lys Val Phe Glu Pro Pro Ser Phe Pro Phe Leu Leu
50 55 60

Gly Gly Gln Gly Xaa Leu Asn Ser Arg Ala Leu Pro Val Leu Pro
65 70 75

<210> 1003

<211> 158

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1003

Ile Arg His Glu Gly Thr Leu Asn Gln Pro Leu Thr Lys Leu Asp Arg
1 5 10 15

Ser Ser Glu Glu Pro Leu Gly Val Leu Val Asn Pro Asn Met Tyr Gln
20 25 30

Ser Pro Pro Gln Trp Val Asp His Thr Gly Ala Ala Ser Gln Lys Lys
35 40 45

Ala Phe Arg Ser Ser Gly Phe Gly Leu Glu Phe Asn Ser Phe Gln His
50 55 60

Gln Leu Arg Ile Gln Asp Gln Glu Phe Gln Glu Gly Phe Asp Gly Gly
65 70 75 80

Trp Cys Leu Ser Val His Gln Pro Trp Xaa Ser Leu Leu Val Arg Gly
85 90 95

Ile Lys Arg Val Glu Gly Arg Ser Trp Tyr Thr Pro His Arg Gly Arg
100 105 110

Leu Trp Ile Ala Ala Thr Ala Lys Lys Pro Ser Pro Gln Glu Val Ser
115 120 125

Glu Leu Gln Ala Thr Tyr Arg Leu Leu Arg Gly Lys Asp Val Glu Phe
130 135 140

Pro Asn Asp Tyr Pro Ser Val Val Phe Trp Ala Val Trp Thr
145 150 155

<210> 1004

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1004

Ala Gly Thr Leu Thr Pro Ala Tyr Cys Leu Lys Thr Ser Pro Thr Gly
1 5 10 15

Xaa Phe Met Val Ser Tyr Pro Leu Pro His Ile Phe Leu Ala Thr Arg
20 25 30

Gln Glu Thr Tyr Leu Trp His Leu Gln Ile Ser Xaa Ile Xaa Phe Trp
35 40 45

Xaa Phe Pro Cys Leu Ala Ile Cys Phe Ile Glu Trp Val Ser Glu Thr
50 55 60

<210> 1005

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1005

Ser Ser Lys Phe Arg Ala Ile Asn Pro Ile Ser Val Ile Lys Ser Ser
1 5 10 15

Thr Asp Asn Asn Glu Gln Leu Leu Lys Ser Asn Ile Leu Ser Leu Phe
20 25 30

Thr Asn Val Ser Leu Ser Ile Gly Thr Phe Leu Xaa Tyr Leu Phe Ala
35 40 45

Cys His Tyr Asp Gln Lys Lys Gln Lys Ala Thr Gln Lys Gly Gln Pro
50 55 60

His Ser Lys
65

<210> 1006

<211> 223

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1006

Leu	Asp	Lys	Lys	Arg	Lys	Lys	Asp	Met	Leu	Asn	Ser	Lys	Thr	Lys	Thr
1				5					10					15	

Gln	Tyr	Phe	His	Gln	Glu	Lys	Trp	Ile	Tyr	Val	His	Lys	Gly	Ser	Thr
			20					25					30		

Xaa	Glu	Arg	His	Gly	Tyr	Cys	Thr	Leu	Gly	Xaa	Ala	Phe	Asn	Arg	Leu
		35					40					45			

Asp	Phe	Ser	Thr	Ala	Ile	Leu	Asp	Ser	Arg	Arg	Phe	Asn	Tyr	Val	Val
	50					55					60				

Arg	Leu	Leu	Glu	Leu	Ile	Ala	Lys	Ser	Gln	Leu	Thr	Ser	Leu	Ser	Gly
65					70					75					80

Ile	Ala	Gln	Lys	Asn	Phe	Met	Asn	Ile	Leu	Glu	Lys	Val	Val	Leu	Lys
			85						90					95	

Val	Leu	Glu	Asp	Gln	Gln	Asn	Ile	Arg	Leu	Ile	Arg	Glu	Leu	Leu	Gln
		100						105					110		

Thr	Leu	Tyr	Thr	Ser	Leu	Cys	Thr	Leu	Val	Gln	Arg	Val	Gly	Lys	Ser
		115					120						125		

Val	Leu	Val	Gly	Asn	Ile	Asn	Met	Trp	Val	Tyr	Arg	Met	Glu	Thr	Ile
	130					135					140				

Leu	His	Trp	Gln	Gln	Gln	Leu	Asn	Asn	Ile	Gln	Ile	Thr	Arg	Pro	Ala
145					150					155					160

Phe	Lys	Gly	Leu	Thr	Phe	Thr	Asp	Leu	Pro	Leu	Cys	Leu	Gln	Leu	Asn
			165						170					175	

Ile	Met	Gln	Arg	Leu	Ser	Asp	Gly	Arg	Asp	Leu	Val	Ser	Leu	Gly	Gln
		180						185						190	

Leu	Pro	Pro	Thr	Cys	Thr	Cys	Ser	Ala	Lys	Thr	Gly	Cys	Cys	Gly	Arg
		195						200					205		

Asn Ser Ala Ser Thr Thr Ser Pro Ser Gly Arg Ser Ala Asn Asp
 210 215 220

<210> 1007

<211> 152

<212> PRT

<213> Homo sapiens

<400> 1007

Phe Gly Thr Ser Phe Cys Trp Cys Tyr Phe Gln Phe Tyr Phe Gln Cys
 1 5 10 15

His Asn Arg Val Ile Phe Lys Gln Leu Leu Gln Ala Lys Ala Leu Gln
 20 25 30

Phe Leu Gln Ile Asp Ser Cys Arg Leu Gly Ser Val Asn Glu Asn Leu
 35 40 45

Ser Val Leu Leu Met Ala Lys Lys Phe Glu Ile Pro Val Cys Pro His
 50 55 60

Ala Gly Gly Val Gly Leu Cys Glu Leu Val Gln His Leu Ile Ile Phe
 65 70 75 80

Asp Tyr Ile Ser Val Ser Ala Ser Leu Glu Asn Arg Val Cys Glu Tyr
 85 90 95

Val Asp His Leu His Glu His Phe Lys Tyr Pro Val Met Ile Gln Arg
 100 105 110

Ala Ser Tyr Met Pro Pro Lys Asp Pro Gly Tyr Ser Thr Glu Met Lys
 115 120 125

Glu Glu Ser Val Lys Lys His Gln Tyr Pro Asp Gly Glu Val Trp Lys
 130 135 140

Lys Leu Leu Pro Ala Gln Glu Asn
 145 150

<210> 1008

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1008

Arg Glu Glu Ile Met Lys Gly Arg Glu Tyr Gln Glu Ala Gly Xaa Trp
1 5 10 15

Gly Pro Ser Gln Arg Leu Pro Asn Thr Gly Tyr Ser Leu Ala Pro Asp
20 25 30

Asp Ser Cys Ser Phe Gln Met Gln Asn Ala Pro Ser Gln Asp Leu Gln
35 40 45

Lys Ser Tyr Pro Ile Ile Gly Leu Ala Gln Ser Ser Glu Pro Tyr His
50 55 60

Leu Lys Phe Gln Val
65

<210> 1009

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1009

Val	Ile	Val	Asn	Val	Leu	Asn	Tyr	Gln	Leu	Glu	Gly	Ile	Phe	Val	Leu
1				5					10					15	

Lys Val Asp Ile Glu Glu Pro Lys Trp Met Met Gly Phe Gly Ala Ser
20 25 30

Ser Glu Ser Met Phe Pro Leu Lys Tyr Phe Pro Lys Gln Trp Tyr Thr
35 40 45

Trp Leu Phe Tyr Tyr Glu Ile Cys Ile Cys Xaa Val Phe Leu Cys Glu
50 55 60

Gln Cys Phe Ser Leu Ser Val Thr Ile Cys Lys Gly Lys Ser Thr Asn
65 70 75 80

Ile Asp Tyr Ile Ala Gln Asn
85

<210> 1010

<211> 164

<212> PRT

<213> Homo sapiens

<400> 1010

Asp His Pro Ala Glu Glu Leu Gly Gln Ser Ile Cys Ile Cys His Pro
 1 5 10 15

Arg Thr Leu Thr Met Lys Thr Leu Leu Leu Leu Ala Val Ile Met Ile
 20 25 30

Phe Gly Leu Leu Gln Ala His Gly Asn Leu Val Asn Phe His Arg Met
 35 40 45

Ile Lys Leu Thr Thr Gly Lys Glu Ala Ala Leu Ser Tyr Gly Phe Tyr
 50 55 60

Gly Cys His Cys Gly Val Gly Gly Arg Gly Ser Pro Lys Asp Ala Thr
 65 70 75 80

Asp Arg Cys Cys Val Thr His Asp Cys Cys Tyr Lys Arg Leu Glu Lys
 85 90 95

Arg Gly Cys Gly Thr Lys Phe Leu Ser Tyr Lys Phe Ser Asn Ser Gly
 100 105 110

Ser Arg Ile Thr Cys Ala Lys Gln Asp Ser Cys Arg Ser Gln Leu Cys
 115 120 125

Glu Cys Asp Lys Ala Ala Ala Thr Cys Phe Ala Arg Asn Lys Thr Thr
 130 135 140

Tyr Asn Lys Lys Tyr Gln Tyr Tyr Ser Asn Lys His Cys Arg Gly Ser
 145 150 155 160

Thr Pro Arg Cys

<210> 1011

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1011

Pro Thr Arg Pro Arg Arg Ala Ala Phe Pro Val Trp Val Pro Glu Arg
 1 5 10 15

Thr Ala Leu Leu Thr Cys Pro Leu Gly Ala Ala Pro Gly Ser Ser Arg
 20 25 30

Glu Ala Pro Gly Ile Ala Gly Pro Pro Asn Ser Thr Ala Met Ser Lys
 35 40 45

Leu Gly Lys Phe Phe Lys Gly Gly Gly Ser Ser Lys Ser Arg Ala Ala
 50 55 60

Pro Ser Pro Gln Glu Ala Leu Val Arg Leu Arg Glu Thr Glu Glu Met
 65 70 75 80

Leu Gly Lys Lys Gln Glu Tyr Leu Glu Asn Arg Ile Gln Arg Glu Ile
 85 90 95

Ala Leu Ala Lys Lys Xaa Gly Thr Gln Xaa Lys Arg Gly Ile Xaa Thr
 100 105 110

Lys

<210> 1012

<211> 79

<212> PRT

<213> Homo sapiens

<400> 1012

Leu Thr Asp Leu Pro Cys Asn Lys Ile Val Phe Cys Glu Lys Gln Glu
 1 5 10 15

Met Asn Asn Asn Ser Val Gly Thr Pro Leu Gln Ile Ser Gln Glu Ile
 20 25 30

Gln Lys Asn Cys Glu Gln Val Ala Gly Phe Thr Ile Leu Gln Asp Thr
 35 40 45

Ala Ser Tyr Ser Lys Phe Leu Gln Asp Asn Asp Ala Gln Leu Phe Thr
50 55 60

Tyr Leu Cys Leu Asn Ile Pro Ile Ser Leu Thr Phe Ile Leu Trp
65 70 75

<210> 1013

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1013

Gln Asp Arg Glu Gly Phe Gly Ser Gly Gln Ala Gly Asp Gly Tyr Glu
1 5 10 15

His Leu Ser Phe Glu Thr Cys Arg Gly Gly Asn Glu Gly Arg Gly Pro
20 25 30

Cys Val Glu Val Phe Ile Gln Glu Ala Val Val Pro Leu Gly Leu Asn
35 40 45

Ile Ala Ser Xaa Arg Gln
50

<210> 1014

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1014

Ala Gly Asp Leu Arg Ala Gly Ser Thr Leu Lys Arg Phe Gly Phe Pro

1 5 10 15
 Arg Pro Gly Trp Gly Glu Arg Ala Gly Cys Pro Leu Asp Ser Pro Pro
 20 25 30
 Pro His Leu Met Ser Arg Pro Ser Ala Pro Trp Ser Xaa Ala Ile Met
 35 40 45
 Pro Pro Trp Xaa Gly Ala Lys Asp Ile Glu Gly Leu Leu Gly Ala Gly
 50 55 60
 Gly Gly Arg Asn Leu Val Ala His Ser Pro Leu Thr Ser His Pro Ala
 65 70 75 80
 Ala Pro Thr Leu Met Pro Ala Val Asn Tyr Ala Pro Leu Asp Leu
 85 90 95

<210> 1015

<211> 132

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1015

Gln Lys Arg Ser Glu Asn Ile Lys Gln Val Glu Val Trp Ser Ile Leu
 1 5 10 15
 Ser Lys Met Asn Ile Ser Gly Ser Ser Cys Gly Ser Pro Asn Ser Ala
 20 25 30
 Asp Thr Ser Ser Asp Phe Lys Asp Leu Trp Thr Lys Leu Lys Glu Cys
 35 40 45
 His Asp Arg Glu Val Gln Gly Leu Gln Val Lys Val Thr Lys Leu Lys
 50 55 60
 Gln Glu Arg Ile Leu Asp Ala Gln Arg Leu Glu Glu Phe Phe Thr Lys
 65 70 75 80
 Asn Gln Gln Leu Arg Glu Gln Gln Lys Val Leu His Glu Thr Ile Lys
 85 90 95
 Val Leu Glu Asp Arg Leu Arg Ala Gly Leu Cys Asp Arg Cys Ala Val
 100 105 110

Thr Glu Glu His Met Arg Lys Lys Gln Gln Glu Phe Glu Asn Ile Pro
115 120 125

Ala Ala Xaa Ser
130

<210> 1016
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1016
Gly Gly Arg Phe Xaa Val His Arg Thr Pro Ile Thr His Pro Ala Ser
1 5 10 15

Gln Val Glu Gly Leu Gln Val Arg Arg Cys Ile Pro Gln Gly Leu Met
20 25 30

Leu Ser Ala Ile Phe Ile Pro Arg Gln Xaa Ser
35 40

<210> 1017
<211> 188
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (180)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (188)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1017

Cys Arg Ala Ser Phe Ala Gly Pro Ala Ala Leu Gln Asp Arg Asp Trp
1 5 10 15

Gln Arg Thr Val Ile Ala Met Asn Gly Ile Glu Val Lys Leu Ser Val
20 25 30

Lys Phe Asn Ser Arg Glu Phe Ser Leu Lys Arg Met Pro Ser Arg Lys
35 40 45

Gln Thr Gly Val Phe Gly Val Lys Ile Ala Val Val Thr Lys Arg Glu
50 55 60

Arg Ser Lys Val Pro Tyr Ile Val Arg Gln Cys Val Glu Glu Ile Glu
65 70 75 80

Arg Arg Gly Met Glu Glu Val Gly Ile Tyr Arg Val Ser Gly Val Ala
85 90 95

Thr Asp Ile Gln Ala Leu Lys Ala Xaa Phe Asp Val Asn Asn Lys Asp
100 105 110

Val Ser Val Met Met Ser Glu Met Asp Val Asn Ala Ile Ala Gly Thr
115 120 125

Leu Lys Leu Tyr Phe Arg Glu Leu Pro Glu Pro Leu Phe Thr Asp Glu
130 135 140

Phe Tyr Pro Asn Phe Ala Glu Gly Ile Ala Leu Ser Asp Pro Val Ala
145 150 155 160

Lys Glu Ser Cys Met Leu Asn Leu Leu Leu Ser Leu Ala Gly Ala Asn
165 170 175

Leu Ala Ser Xaa Phe Leu Phe Leu Phe Gly Thr Xaa
180 185

<210> 1018

<211> 424

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (153)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1018

Gly Thr Ser Val Asp Glu Gly Ser Ile Ser Pro Arg Thr Leu Ser Ala
1 5 10 15

Ile Lys Arg Ala Leu Asp Asp Asp Xaa Asp Val Lys Val Cys Ala Gly
20 25 30

Asp Asp Val Gln Thr Gly Gly Pro Gly Ala Glu Glu Met Arg Ile Asn
35 40 45

Ser Ser Thr Glu Asn Ser Asp Glu Gly Leu Lys Val Arg Asp Gly Lys
50 55 60

Gly Ile Pro Phe Thr Ala Thr Leu Ala Ser Ser Ser Val Asn Ser Ala
65 70 75 80

Glu Glu His Val Ala Ser Thr Asn Glu Gly Arg Glu Pro Thr Asp Ser
85 90 95

Val Pro Lys Glu Gln Met Ser Leu Val His Val Gly Thr Glu Ala Phe
100 105 110

Pro Ile Ser Asp Glu Ser Met Ile Lys Asp Arg Lys Asp Arg Leu Pro
115 120 125

Leu Glu Ser Ala Val Val Arg His Ser Asp Ala Pro Gly Leu Pro Asn
130 135 140

Gly Arg Glu Leu Thr Pro Ala Ser Xaa Thr Cys Thr Asn Ser Val Ser
145 150 155 160

Lys Asn Glu Thr His Ala Glu Val Leu Glu Gln Gln Asn Glu Leu Cys
165 170 175

Pro Tyr Glu Ser Lys Phe Asp Ser Ser Leu Leu Ser Ser Asp Asp Glu
180 185 190

Thr Lys Cys Lys Pro Asn Ser Ala Ser Glu Val Ile Gly Pro Val Ser
195 200 205

Leu Gln Glu Thr Ser Ser Ile Val Ser Val Pro Ser Glu Ala Val Asp
210 215 220

Asn Val Glu Asn Val Val Ser Phe Asn Ala Lys Glu His Glu Asn Phe

[illegible]

<210> 1019

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1019

Val Leu Leu Ile Thr Phe Leu Gly Glu Glu Lys Lys Cys Tyr Ser Cys
 1 5 10 15
 Lys Gln Met Tyr Ser Phe Gln Lys Glu Ala Thr Phe Leu Leu Pro Ser
 20 25 30
 Leu Phe Leu Val Ser Ser Pro Arg Leu Ala Ile Xaa Ile Gly Ile Val
 35 40 45
 Met Ala Ser Ile Leu Ser Leu Leu His Pro Tyr Leu Leu Leu Cys Asp
 50 55 60
 Phe Ala Ala Pro Leu Ile Lys Glu Ala Glu Pro Pro Leu Pro Pro Ile
 65 70 75 80
 Gly Ala Gly Phe Glu Ser Asn Arg Met Lys
 85 90

<210> 1020

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1020

Thr Arg Pro Ile Arg Pro Pro His Gln Ile Pro Val Asp Thr Leu Xaa
 1 5 10 15
 His Val Ile Asn Gln Thr Gly Gly Tyr Ser Asp Gly Leu Gly Gly Asn
 20 25 30
 Ser Leu Tyr Ser Pro His Asn Leu Asn Ala Asn Xaa Gly Trp Gln Asp
 35 40 45
 Ala Thr Thr Pro Ser Ser Val Thr Ser Pro Thr Glu Gly Pro Gly Ser
 50 55 60
 Val His Ser Asp Thr Ser Asn
 65 70

<210> 1021

<211> 301

<212> PRT

<213> Homo sapiens

<400> 1021

Pro Thr Pro Pro Thr Pro Ile Arg Thr Ala Ala Gln Arg Arg Glu Ile
1 5 10 15

Trp Asp Phe Pro Gly Gln Ile Asp Phe Phe Asp Pro Thr Phe Asp Tyr
20 25 30

Glu Met Ile Phe Arg Gly Thr Gly Ala Leu Ile Phe Val Ile Asp Ser
35 40 45

Gln Asp Asp Tyr Met Glu Ala Leu Ala Arg Leu His Leu Thr Val Thr
50 55 60

Arg Ala Tyr Lys Val Asn Thr Asp Ile Asn Phe Glu Val Phe Ile His
65 70 75 80

Lys Val Asp Gly Leu Ser Asp Asp His Lys Ile Glu Thr Gln Arg Asp
85 90 95

Ile His Gln Arg Ala Asn Asp Asp Leu Ala Asp Ala Gly Leu Glu Lys
100 105 110

Ile His Leu Ser Phe Tyr Leu Thr Ser Ile Tyr Asp His Ser Ile Phe
115 120 125

Glu Ala Phe Ser Lys Val Val Gln Lys Leu Ile Pro Gln Leu Pro Thr
130 135 140

Leu Glu Asn Leu Leu Asn Ile Phe Ile Ser Asn Ser Gly Ile Glu Lys
145 150 155 160

Ala Phe Leu Phe Asp Val Val Ser Lys Ile Tyr Ile Ala Thr Asp Ser
165 170 175

Thr Pro Val Asp Met Gln Thr Tyr Glu Leu Cys Cys Asp Met Ile Asp
180 185 190

Val Val Ile Asp Ile Ser Cys Ile Tyr Gly Leu Lys Glu Asp Gly Ala
195 200 205

Gly Thr Pro Tyr Asp Lys Glu Ser Thr Ala Ile Ile Lys Leu Asn Asn
210 215 220

Thr Thr Val Leu Tyr Leu Lys Glu Val Thr Lys Phe Leu Ala Leu Val

225	230	235	240
Cys Phe Val Arg Glu Glu Ser Phe Glu Arg Lys Gly Leu Ile Asp Tyr			
245	250	255	
Asn Phe His Cys Phe Arg Lys Ala Ile His Glu Val Phe Glu Val Arg			
260	265	270	
Met Lys Val Val Lys Ser Arg Lys Val Gln Asn Arg Leu Gln Lys Lys			
275	280	285	
Lys Arg Ala Thr Pro Asn Gly Thr Pro Arg Val Leu Leu			
290	295	300	

<210> 1022

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1022

Thr	Ala	Asn	Arg	Gly	Ser	Ser	Ala	Ser	Xaa	Lys	Ala	Asp	Ser	Gly	Leu
1				5					10					15	

Ala	Gln	Ser	Asp	Gly	Arg	Asp	Pro	Pro	Thr	Leu	Trp	Gly	Trp	Ser	Leu
			20					25						30	

His	Leu	Ala	Leu
			35

<210> 1023

<211> 173

<212> PRT

<213> Homo sapiens

<400> 1023

Ile	Arg	Gln	Ser	Ser	Arg	Glu	Arg	Ile	Trp	Arg	Pro	Pro	Leu	Trp	Ile
1				5					10					15	

Leu	Ala	Arg	Pro	Gly	Ser	Ala	Val	Ala	Val	Arg	Ala	Gly	Phe	Pro	Thr
			20					25						30	

Pro	Cys	Arg	Pro	Pro	Ser	Leu	Ser	Ala	Leu	Ser	Pro	Ser	Ala	Ser	Gln
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

35 40 45
Pro Cys Ser Arg Arg Arg Thr Gly Leu Ser Pro Gly Ser Trp Gly Trp
50 55 60
Pro Pro Ser Thr Arg Ser Ala Cys Phe Leu Thr Cys Leu Ser Ser Arg
65 70 75 80
Ser Tyr Arg Leu Gln Ile Gly His Phe Leu Cys Leu Val Ile Leu Val
85 90 95
Tyr Cys Ala Glu Tyr Ile Asn Glu Ala Ala Ala Met Asn Trp Arg Leu
100 105 110
Phe Ser Lys Tyr Gln Tyr Phe Asp Ser Arg Gly Met Phe Ile Ser Ile
115 120 125
Val Phe Ser Ala Pro Leu Leu Val Asn Ala Met Ile Ile Val Val Met
130 135 140
Trp Val Trp Lys Thr Leu Asn Val Met Thr Asp Leu Lys Asn Ala Gln
145 150 155 160
Glu Arg Arg Lys Glu Lys Lys Arg Arg Arg Lys Glu Asp
165 170

<210> 1024

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1024

Ala	Trp	Gly	Ala	Ala	Arg	Arg	Gly	Arg	Gln	Arg	Pro	Cys	Pro	Leu	Leu
1				5					10					15	
Ala	Gly	Arg	Thr	Glu	Phe	Trp	Pro	Xaa	Cys	Glu	Gly	Lys	Ala	Glu	Ala
			20					25					30		
Cys	Xaa	Gly	Xaa	Trp	Phe	Lys	Leu	Xaa	Gly	Gln	Gly	Lys	Gly	Arg	Gly
		35					40					45			
Glu	Trp	Phe	Ser	Arg	Ser	Arg	Arg	Leu	Cys	Ser	Arg	Trp	Thr	Leu	Glu
	50					55					60				
Asn	Lys	Gly	Glu	Ser	Ser	Arg	Glu	Gln							
65						70									

<210> 1025

<211> 171

<212> PRT

<213> Homo sapiens

<400> 1025

Leu	Leu	Pro	Glu	Thr	Ala	Leu	Leu	Asn	Met	Arg	Ala	Ala	Pro	Leu	Leu
1					5				10					15	
Leu	Ala	Arg	Ala	Ala	Ser	Leu	Ser	Leu	Gly	Phe	Leu	Phe	Leu	Leu	Phe
			20					25					30		
Phe	Trp	Leu	Asp	Arg	Ser	Val	Leu	Ala	Lys	Glu	Leu	Lys	Phe	Val	Thr
		35					40					45			
Leu	Val	Phe	Arg	His	Gly	Asp	Arg	Ser	Pro	Ile	Asp	Thr	Phe	Pro	Thr
	50					55					60				
Asp	Pro	Ile	Lys	Glu	Ser	Ser	Trp	Pro	Gln	Gly	Phe	Gly	Gln	Leu	Thr
65					70				75					80	
Gln	Leu	Gly	Met	Glu	Gln	His	Tyr	Glu	Leu	Gly	Glu	Tyr	Ile	Arg	Lys
			85					90						95	
Arg	Tyr	Arg	Lys	Phe	Leu	Asn	Glu	Ser	Tyr	Lys	His	Glu	Gln	Val	Tyr
			100					105						110	
Ile	Arg	Ser	Thr	Asp	Val	Asp	Arg	Thr	Leu	Met	Ser	Ala	Met	Thr	Asn
		115					120					125			
Leu	Ala	Ala	Leu	Phe	Pro	Pro	Glu	Gly	Val	Ser	Ile	Trp	Asn	Pro	Ile

130

135

140

Leu Leu Trp Gln Pro Ile Pro Val His Thr Val Pro Leu Ser Glu Asp
 145 150 155 160

Gln Leu Leu Tyr Leu Thr Phe Gln Glu Leu Pro
 165 170

<210> 1026

<211> 238

<212> PRT

<213> Homo sapiens

<400> 1026

Ala Asn Trp Asp Leu Glu Met Ile Leu Arg Cys Ser Ser Asn Asp Leu
 1 5 10 15

Glu Leu Leu Gln Ala Glu His Gly Ile Leu Lys Ile Gly Glu Thr Asn
 20 25 30

Lys Phe Ser Gly Tyr Pro Leu Tyr His Ser Val Tyr Glu Thr Tyr Glu
 35 40 45

Leu Val Glu Lys Phe Tyr Asp Pro Met Phe Lys Tyr His Leu Thr Val
 50 55 60

Ala Gln Val Arg Gly Gly Met Val Phe Glu Leu Ala Asn Ser Ile Val
 65 70 75 80

Leu Pro Phe Asp Cys Arg Asp Tyr Ala Val Val Leu Arg Lys Tyr Ala
 85 90 95

Asp Lys Ile Tyr Ser Ile Ser Met Lys His Pro Gln Glu Met Lys Thr
 100 105 110

Tyr Ser Val Ser Phe Asp Ser Leu Phe Ser Ala Val Lys Asn Phe Thr
 115 120 125

Glu Ile Ala Ser Lys Phe Ser Glu Arg Leu Gln Asp Phe Asp Lys Ser
 130 135 140

Asn Pro Ile Val Leu Arg Met Met Asn Asp Gln Leu Met Phe Leu Glu
 145 150 155 160

Arg Ala Phe Ile Asp Pro Leu Gly Leu Pro Asp Arg Pro Phe Tyr Arg
 165 170 175

His Val Ile Tyr Ala Pro Ser Ser His Asn Lys Tyr Ala Gly Glu Ser
 180 185 190

Phe Pro Gly Ile Tyr Asp Ala Leu Phe Asp Ile Glu Ser Lys Val Asp
 195 200 205

Pro Ser Lys Ala Trp Gly Glu Val Lys Arg Gln Ile Tyr Val Ala Ala
 210 215 220

Phe Thr Val Gln Ala Ala Ala Glu Thr Leu Ser Glu Val Ala
 225 230 235

<210> 1027

<211> 132

<212> PRT

<213> Homo sapiens

<400> 1027

Gly Pro Thr Thr Thr Lys Phe Ala Ala Arg Arg Gln Gly Val Leu Leu
 1 5 10 15

Ile Thr Met Asn Val Leu Leu Gly Ser Val Val Ile Phe Ala Thr Phe
 20 25 30

Val Thr Leu Cys Asn Ala Ser Cys Tyr Phe Ile Pro Asn Glu Gly Val
 35 40 45

Pro Gly Asp Ser Thr Arg Lys Cys Met Asp Leu Lys Gly Asn Lys His
 50 55 60

Pro Ile Asn Ser Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys
 65 70 75 80

Tyr Glu Thr Glu Ile Ser Cys Cys Thr Leu Val Ser Thr Pro Val Gly
 85 90 95

Tyr Asp Lys Asp Asn Cys Gln Arg Ile Phe Lys Lys Glu Asp Cys Lys
 100 105 110

Tyr Ile Val Val Glu Lys Lys Asp Pro Lys Lys Thr Cys Ser Val Ser
 115 120 125

Glu Trp Ile Ile
 130

<210> 1028

<211> 116

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1028

Ser	Leu	Thr	Ser	Cys	Ile	Leu	Glu	Ile	Leu	Gln	Ser	Leu	Ser	Tyr	Ser
1				5					10					15	

Tyr	Gln	Asn	Ser	Cys	Arg	Pro	Leu	Thr	Pro	Asp	Ser	Pro	Cys	Leu	Gln
			20					25					30		

Cys	Pro	Pro	Ala	Cys	Arg	Gly	Gly	Xaa	Val	Thr	Ala	Thr	Leu	Ser	His
		35					40					45			

Gln	Leu	Phe	Ser	Ile	Cys	Arg	Pro	Ser	Trp	Gly	Arg	Val	Pro	Ser	Ser
	50					55					60				

Cys	Ser	Pro	Cys	Leu	Trp	Glu	Lys	Ser	His	Val	Leu	Phe	Ile	Ser	Pro
65					70					75					80

His	Cys	Thr	Leu	Ser	Leu	Thr	Leu	Asp	Tyr	Asn	Ser	Ser	Glu	Phe	Asp
				85					90					95	

Leu	His	Leu	Leu	Asp	Lys	Pro	Gly	Thr	Val	Leu	Gly	Ile	Met	Xaa	Thr
		100						105					110		

Ile	Arg	Gln	Ile
			115

<210> 1029

<211> 216

<212> PRT

<213> Homo sapiens

<400> 1029

Thr	Leu	Lys	Ser	Glu	Glu	Phe	Gln	Lys	Arg	Leu	His	Pro	Tyr	Lys	Asp
1				5					10					15	

Phe	Ile	Ala	Thr	Leu	Gly	Lys	Leu	Ser	Gly	Leu	His	Gly	Gln	Asp	Leu
			20					25					30		

Phe	Gly	Ile	Trp	Ser	Lys	Val	Tyr	Asp	Pro	Leu	Tyr	Cys	Glu	Ser	Val
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

35 40 45
 His Asn Phe Thr Leu Pro Ser Trp Ala Thr Glu Asp Thr Met Thr Lys
 50 55 60
 Leu Arg Glu Leu Ser Glu Leu Ser Leu Leu Ser Leu Tyr Gly Ile His
 65 70 75 80
 Lys Gln Lys Glu Lys Ser Arg Leu Gln Gly Gly Val Leu Val Asn Glu
 85 90 95
 Ile Leu Asn His Met Lys Arg Ala Thr Gln Ile Pro Ser Tyr Lys Lys
 100 105 110
 Leu Ile Met Tyr Ser Ala His Asp Thr Thr Val Ser Gly Leu Gln Met
 115 120 125
 Ala Leu Asp Val Tyr Asn Gly Leu Leu Pro Pro Tyr Ala Ser Cys His
 130 135 140
 Leu Thr Glu Leu Tyr Phe Glu Lys Gly Glu Tyr Phe Val Glu Met Tyr
 145 150 155 160
 Tyr Arg Asn Glu Thr Gln His Glu Pro Tyr Pro Leu Met Leu Pro Gly
 165 170 175
 Cys Ser Pro Ser Cys Pro Leu Glu Arg Phe Ala Glu Leu Val Gly Pro
 180 185 190
 Val Ile Pro Gln Asp Trp Ser Thr Glu Cys Met Thr Thr Asn Ser His
 195 200 205
 Gln Gly Thr Glu Asp Ser Thr Asp
 210 215

<210> 1030

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1030

His His Ala Trp Leu Ile Phe Leu Ile Xaa Ile Phe Ser Arg Asp Lys
 1 5 10 15

Val Ala Leu Cys Cys Pro Gly Trp Tyr Gly Thr Pro Val Leu Lys Arg
20 25 30

Ser Ser Cys Leu Gly Phe Pro Lys Cys
35 40

<210> 1031
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1031
Pro Gly Trp Ser Gln Ser Xaa Gly Leu Arg Pro Ser Phe His Leu Ile
1 5 10 15

Leu Pro Lys Asn Trp Asp Tyr Arg His Glu Gln Leu His Leu Val His
20 25 30

Met Leu Leu Ile Val Glu Glu Val Lys Gly Gln
35 40

<210> 1032
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1032
Gln Gly Phe Trp His Gln Leu Glu Ile Leu Trp Met Asp Val Leu Pro
1 5 10 15

Trp Ser Phe Tyr Phe Asn Val Leu Thr Thr Tyr Asp Ser Ser Ile Cys
20 25 30

Ser Ile Asn Tyr Ile His Tyr His Ser Asn Ser His His Leu Ile Cys
35 40 45

Ile Xaa Tyr Leu Ile Leu Pro Ser Asn Tyr Gly Ile Ser Asp Leu

50

55

60

<210> 1033

<211> 63

<212> PRT

<213> Homo sapiens

<400> 1033

Lys Leu Cys Met Lys Thr Gly Gly Lys His Ser Val Ile Arg Tyr Phe
 1 5 10 15

Ser Asn Ile Lys Thr Thr Lys Thr Asn Asp Lys Asn Val Tyr Phe Tyr
 20 25 30

Thr Pro Ala Tyr Arg Val Ser Phe Arg Asp Val Tyr Glu Tyr Leu Asn
 35 40 45

Leu Leu Ile Ser Val Leu Met Lys Ala Glu Leu Asn Arg Glu Ser
 50 55 60

<210> 1034

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1034

Val Asn Leu Ala Cys Gly Ala Pro Leu Lys Cys Glu Asp Leu Ala Xaa
 1 5 10 15

Trp Leu Lys Ile Lys Leu Gly Phe Val Leu Asn Ile Leu Ala Gly Pro
 20 25 30

[illegible]

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<210> 1035
<211> 143
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (81)
<223> xaa equals any of the naturally occurring L-amino acids
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<400> 1035
Gly Leu Arg Asp Leu Asp Ser Asn Pro Arg Ala Leu Ser Cys Tyr Ser
  1             5             10             15
Gly Val Ser Thr Val Arg Xaa Gly Pro Gly Ala Leu Ser His His Leu
          20             25             30
Pro Arg Pro Arg Asp His His Pro Leu Lys Arg Gly Pro Ser Pro Leu
          35             40             45
Ser Thr Pro Ser Arg Asp Pro Ala Leu Gly Cys Ser Arg Leu Thr Ala
          50             55             60
His Gly Val Leu Phe Trp Ala Thr Ala Ala Arg Ala Pro Gly Arg Gly
  65             70             75             80

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Xaa Gly Thr Pro Glu Asn Thr Pro Leu Phe Met Val Leu Cys Pro Phe
85 90 95

Ile Arg Arg Leu Leu Lys Asn Trp Ala Val Cys Lys Ala Asn Pro Ala
100 105 110

Pro Cys Pro Ser Arg Phe Ser Glu Arg Gly Val Pro Trp Glu Trp Ser
115 120 125

Cys Ser Pro His Gly Ser Thr Thr Phe Pro Val Pro Arg Cys His
130 135 140

<210> 1036

<211> 122

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1036

Glu His Ile Trp Leu Ser Ile Trp Asp Arg Pro Pro Arg Ser Cys Phe
1 5 10 15

Thr Arg Ile Gln Arg Ala Thr Cys Cys Val Leu Leu Ile Cys Leu Phe
20 25 30

Leu Gly Ala Asn Ala Val Trp Tyr Gly Ala Val Gly Asp Ser Ala Tyr
35 40 45

Ser Thr Gly Xaa Val Ser Arg Leu Xaa Pro Leu Ser Val Asp Thr Val
50 55 60

Ala Val Gly Leu Val Ser Ser Val Val Val Tyr Pro Val Tyr Leu Ala
65 70 75 80

Xaa Leu Phe Leu Phe Xaa Met Ser Arg Ser Lys Val Ile Asn Thr Leu
85 90 95

Ala Asp His Arg His Arg Gly Thr Asp Phe Gly Gly Ser Pro Trp Leu
100 105 110

Leu Ile Ile Asn Cys Val Ser Glu Lys Leu
115 120

<210> 1037

<211> 29

<212> PRT

<213> Homo sapiens

<400> 1037

Thr Pro Gly Leu Lys Gln Ser Phe Cys Leu Gly Pro Pro Lys Cys Trp
1 5 10 15

Asp Cys Gly His Glu Leu Leu Cys Pro Ala Ser Met Phe
20 25

<210> 1038

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1038

Glu Thr Ala Arg Gly Thr Gly Arg Asn Gly Leu Ser Ala Leu Asn His
1 5 10 15

His Lys Pro Trp Leu Arg Lys Gly His Ala Ser Pro Ser Arg Arg Met
20 25 30

Thr Pro Ile Arg Asp Pro Gln Arg Arg Cys Met Ser Ile Leu Ala Pro
35 40 45
Arg Ala Val Met Gln Pro Ala Arg Ser Gln Gly Glu Gly Thr Gln Lys
50 55 60
Pro Gly Met Leu Ala Lys Gly Val Lys Glu Thr Phe Glu Leu Phe Thr
65 70 75 80
Ala Cys Ser Asn Tyr Val Lys Xaa Thr Pro Leu Asn Lys Ile Trp Ser
85 90 95
Met Phe Val Xaa Leu Tyr Leu Ile
100

<210> 1039
<211> 156
<212> PRT
<213> Homo sapiens

<400> 1039
Gly His Met Glu Leu Ala Met Asp Asn Ser Tyr Ala Phe Asn Gln Arg
1 5 10 15
Ser Thr Cys Asn Gly Ile Pro Ser Glu Lys Lys Asn Asn Phe Leu Val
20 25 30
Ser Glu Asp His Gly Gln Lys Ile Leu Ser Val Leu Gln Asn Phe Arg
35 40 45
Glu Gln Asn Val Phe Tyr Asp Phe Lys Ile Ile Met Lys Asp Glu Ile
50 55 60
Ile Pro Cys His Arg Cys Val Leu Ala Ala Cys Ser Asp Phe Phe Arg
65 70 75 80
Ala Met Phe Glu Val Asn Met Lys Glu Arg Asp Asp Gly Ser Val Thr
85 90 95
Ile Thr Asn Leu Ser Ser Lys Ala Val Lys Ala Phe Leu Asp Tyr Ala
100 105 110
Tyr Thr Gly Lys Thr Lys Ile Thr Asp Asp Asn Val Glu Met Phe Phe
115 120 125
Gln Leu Ser Ser Phe Leu Gln Val Ser Phe Leu Ser Lys Ala Cys Ser
130 135 140
Asp Phe Leu Ile Lys Ser Ile Asn Leu Glu Lys Lys

145 150 155

<210> 1040

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1040

Pro Ser Pro Cys Pro Cys Ser Cys Ala Trp Val Arg Trp Pro Arg Arg
1 5 10 15

Thr Pro Pro Ser Arg Thr Thr Arg Ala Arg Thr His Gln Xaa Arg Asp
 20 25 30

Met Ala Arg Tyr Tyr Ser Ala Leu Arg His Tyr Ile Asn Leu Ile Thr
 35 40 45

Arg Gln Arg Tyr Gly Lys Arg Ser Ser Pro Glu Thr Leu Ile Ser Asp
 50 55 60

Leu Leu Met Arg Glu Ser Thr Glu Asn Val Pro Arg Thr Arg Leu Glu
65 70 75 80

Asp Pro Ala Met Trp
 85

<210> 1041

<211> 234

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1041

Leu Gly Gln Tyr Gln Pro Ala Arg Glu Glu Ile Ser Lys Asp Leu Arg
1 5 10 15

Ala Thr Leu Asn Ala Phe Leu Tyr His Met Gly Gln His Ser Asn Lys
 20 25 30

Phe Met Leu Val Leu Ala Ser Asn Leu Pro Glu Gln Phe Asp Cys Ala
 35 40 45
 Ile Asn Ser Arg Ile Asp Val Met Val His Phe Asp Leu Pro Gln Xaa
 50 55 60
 Glu Glu Arg Glu Arg Leu Val Arg Leu His Phe Asp Asn Cys Val Leu
 65 70 75 80
 Lys Pro Ala Thr Glu Gly Lys Arg Arg Leu Lys Leu Ala Gln Phe Asp
 85 90 95
 Tyr Gly Arg Lys Cys Ser Glu Val Ala Arg Leu Thr Glu Gly Met Ser
 100 105 110
 Gly Arg Glu Ile Ala Gln Leu Ala Val Ser Trp Gln Ala Thr Ala Tyr
 115 120 125
 Ala Ser Lys Asp Gly Val Leu Thr Glu Ala Met Met Asp Ala Cys Val
 130 135 140
 Gln Asp Ala Val Gln Gln Tyr Arg Gln Lys Met Arg Trp Leu Lys Ala
 145 150 155 160
 Glu Gly Pro Gly Arg Gly Val Glu His Pro Leu Ser Gly Val Gln Gly
 165 170 175
 Glu Thr Leu Thr Ser Trp Ser Leu Ala Thr Asp Pro Ser Tyr Pro Cys
 180 185 190
 Leu Ala Gly Pro Cys Thr Phe Arg Ile Cys Ser Trp Met Gly Thr Gly
 195 200 205
 Leu Cys Pro Gly Pro Leu Ser Pro Arg Met Ser Cys Gly Gly Gly Arg
 210 215 220
 Pro Phe Cys Pro Pro Gly His Pro Leu Leu
 225 230

<210> 1042

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1042

Ala Asn Leu Met Lys Cys Lys Val Gln Ala Gly Met Ile Xaa Ser Val
1 5 10 15

Cys Lys Asp Lys Ser Phe Asp Asp Glu Glu Ser Val Asp Gly Asn Arg
20 25 30

Pro Ser Ser Ala Ala Ser Ala Phe Lys Val Pro Ala Leu Lys His Pro
35 40 45

Glu Ile Leu Pro Thr Val Gln Gly Ser Trp Phe Ser Arg Trp Pro
50 55 60

<210> 1043

<211> 64

<212> PRT

<213> Homo sapiens

<400> 1043

Gln Leu Arg Ser Arg Ala Gly Leu Leu Ser Ser Thr Val Arg Ala Arg
1 5 10 15

Asn Trp Pro Gln Asn Pro Gln Ser Gln Pro Trp Gly Pro Leu Gly Pro
20 25 30

Gln Thr Pro Val Phe Ser Phe Cys Val Ala Ser Trp Phe Pro Gly Val
35 40 45

Leu Phe Tyr Ala Ala Ser Gly Val Arg Ser Ser Ala Phe Asn Leu Phe
50 55 60

<210> 1044

<211> 97

<212> PRT

<213> Homo sapiens

<400> 1044

Ala Ser Arg Ser Leu Pro Thr Ala Ala Val His Val Arg Leu Leu Pro
1 5 10 15

Leu Cys Ala Glu Arg Gln Glu Asp His Glu Asn Asp Pro Leu Ser Glu
20 25 30

Leu Gln Arg Gln Ile Ala Gln Pro Glu Met Arg Cys Thr Ile Arg Leu
35 40 45

Leu Asp Asp Ser Glu Ile Ser Cys His Ile Gln Arg Glu Thr Lys Gly
50 55 60

Gln Phe Leu Ile Asp His Ile Cys Asn Tyr Tyr Ser Leu Leu Glu Lys
65 70 75 80

Asp Tyr Phe Gly Ile Arg Tyr Val Asp Pro Glu Lys Gln Arg His Trp
85 90 95

Ala

<210> 1045

<211> 43

<212> PRT

<213> Homo sapiens

<400> 1045

Thr Leu Ile Phe Pro Pro Leu Arg Ile Ile Asn Phe Leu Ser Phe Tyr
1 5 10 15

His Ile Cys Phe Arg Ser Phe Phe Phe Leu Lys Lys Ser Ile Thr Asp
20 25 30

Leu Ala Lys Val Pro Phe Asp Gln Tyr Pro Thr
35 40

<210> 1046

<211> 221

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (182)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (186)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (209)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (212)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (214)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1046

Arg	Ser	Gly	Arg	Leu	Arg	Leu	Ser	Leu	Tyr	Cys	Gly	Ala	Gly	Gln	Gly
1				5					10					15	

Val	Arg	Ala	Gly	Arg	Gly	Thr	Gly	Thr	Pro	Ala	Val	Xaa	Gly	Arg	Leu
			20					25						30	

Glu	Ile	Met	Glu	Gly	Lys	Trp	Leu	Leu	Cys	Met	Leu	Leu	Val	Leu	Gly
		35					40					45			

Thr	Ala	Ile	Val	Glu	Ala	His	Asp	Gly	His	Asp	Asp	Asp	Val	Ile	Asp
	50					55					60				

Ile	Glu	Asp	Asp	Leu	Asp	Asp	Val	Ile	Glu	Glu	Val	Glu	Asp	Ser	Lys
65				70					75						80

Pro	Asp	Thr	Thr	Ala	Pro	Pro	Ser	Ser	Pro	Lys	Val	Thr	Tyr	Lys	Ala
				85					90					95	

Pro	Val	Pro	Thr	Gly	Glu	Val	Tyr	Phe	Ala	Asp	Ser	Phe	Asp	Arg	Gly
			100					105					110		

Thr	Leu	Ser	Gly	Trp	Ile	Leu	Ser	Lys	Ala	Lys	Lys	Asp	Asp	Thr	Asp
	115					120						125			

Asp	Glu	Ile	Ala	Lys	Tyr	Asp	Gly	Lys	Trp	Glu	Val	Glu	Glu	Met	Lys
	130					135						140			

Glu	Ser	Lys	Leu	Pro	Gly	Asp	Lys	Gly	Leu	Val	Leu	Met	Ser	Arg	Ala
145					150					155					160

Lys	His	His	Ala	Ile	Ser	Ala	Lys	Leu	Asn	Lys	Pro	Phe	Leu	Phe	Asp
			165						170						175

Thr Lys Pro Leu Ile Xaa Gln Tyr Glu Xaa Asn Phe Gln Asn Gly Ile
180 185 190
Glu Cys Gly Gly Ala Tyr Val Lys Leu Leu Ser Lys Thr Pro Glu Leu
195 200 205
Xaa Leu Asp Xaa Val Xaa Arg Thr Ile Asn Cys Leu His
210 215 220

<210> 1047
<211> 82
<212> PRT
<213> Homo sapiens

<400> 1047
Gly Ile Pro Pro His Phe Cys Gly Phe Phe Pro Val Val Asp Asp Gln
1 5 10 15
Gly Trp Asn Leu Gln Ser Met Gly Pro Asp Phe Leu Pro Ser Ser Gln
20 25 30
Ile Asp Ser Ala Ala Ser His Leu Cys Ser Ala Pro Val Ala Leu Lys
35 40 45
Cys Asn Arg Asn His His Pro Arg Thr Met Gly Ser Met Pro Val Gly
50 55 60
Lys Ala Gln Val Arg Ser Leu Ser Ser Gln His Ile Ala Val Ala Gly
65 70 75 80

Thr Trp

<210> 1048
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1048

Pro Gly Ser Pro Asp Gln Arg Pro Thr Pro Gln Gly Glu Phe Ile Leu
1 5 10 15

Cys Gln Gln Gln Ser Phe Pro Ser Ser Glu Ala Ser His Pro His Pro
20 25 30

Arg Arg Gln Gly Lys Gln Ala Arg Gly Gly Gln Glu Ser Ser Gln Leu
35 40 45

Ser Glu Ala Ala Pro Pro Ala Pro Lys His Leu Pro Cys Ser Gln Leu
50 55 60

Xaa Xaa Gln Leu Leu Pro Ala Ala Lys Xaa Thr Ala Ala Phe Arg Leu
65 70 75 80

Thr Ser Met Pro Leu
85

<210> 1049

<211> 75

<212> PRT

<213> Homo sapiens

<400> 1049

Ser Pro Cys Arg Glu Glu Ser Gln Gln Ile Ile Ser Lys Leu Glu Asn
1 5 10 15

Gln Glu Ile Thr Val Ile Ile Arg Asp Ile Trp Gly Gly Tyr Lys Tyr
20 25 30

Gln Asn Lys Lys Ile Lys Glu Met Lys Ile Val Val Ser Gly Glu Leu
35 40 45

Lys Ser Lys Ile Gln Arg Cys Glu Ala Asp Leu Ile Tyr Tyr Leu Thr
50 55 60

Cys Ile Leu Phe Ile Ala Gln Tyr Ser Val Phe
65 70 75

<210> 1050

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1050

Gly	Lys	Lys	Ile	Lys	Lys	Leu	Ala	Ser	Ala	Xaa	Arg	Gly	Gly	Ser	Leu
1				5						10				15	

Pro	Val	Ile	Pro	Ala	Leu	Ser	Ala	Ala	Glu	Ala	Ser	Gly	Ser	Leu	Glu
			20					25					30		

Val	Xaa	Ser	Ser	Lys	Thr	Ser	Leu	Gly	Gln	Thr
		35					40			

<210> 1051

<211> 341

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1051

Gly	Pro	Gln	Glu	Met	Thr	Ala	Gly	Gly	Gln	Ala	Glu	Ala	Glu	Gly	Ala
1				5					10					15	

Gly	Gly	Glu	Pro	Gly	Ala	Ala	Arg	Leu	Pro	Ser	Arg	Val	Ala	Arg	Leu
		20						25					30		

Leu	Ser	Ala	Leu	Phe	Tyr	Gly	Thr	Cys	Ser	Phe	Leu	Ile	Val	Leu	Val
		35					40					45			

Asn	Lys	Ala	Leu	Leu	Thr	Thr	Tyr	Gly	Phe	Pro	Ser	Pro	Ile	Phe	Leu
	50					55					60				

Gly	Ile	Gly	Gln	Met	Ala	Ala	Thr	Ile	Met	Ile	Leu	Tyr	Val	Ser	Lys
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

65		70		75		80
Leu Asn Lys Ile Ile His Phe Pro Asp Phe Asp Lys Lys Ile Pro Val						
	85		90		95	
Lys Leu Phe Pro Xaa Pro Leu Leu Tyr Val Gly Asn His Ile Ser Gly						
	100		105		110	
Leu Ser Ser Thr Ser Lys Leu Ser Leu Pro Met Phe Thr Val Leu Arg						
	115		120		125	
Lys Phe Thr Ile Pro Leu Thr Leu Leu Leu Glu Thr Ile Ile Leu Gly						
	130		135		140	
Lys Gln Tyr Ser Leu Asn Ile Ile Leu Ser Val Phe Ala Ile Ile Leu						
	145		150		155	160
Gly Ala Phe Ile Ala Ala Gly Ser Asp Leu Ala Phe Asn Leu Glu Gly						
	165		170		175	
Tyr Ile Phe Val Phe Leu Asn Asp Ile Phe Thr Ala Ala Asn Gly Val						
	180		185		190	
Tyr Thr Lys Gln Lys Met Asp Pro Lys Glu Leu Gly Lys Tyr Gly Val						
	195		200		205	
Leu Phe Tyr Asn Ala Cys Phe Met Ile Ile Pro Thr Leu Ile Ile Ser						
	210		215		220	
Val Ser Thr Gly Asp Leu Gln Gln Ala Thr Glu Phe Asn Gln Trp Lys						
	225		230		235	240
Asn Val Val Phe Ile Leu Gln Phe Leu Leu Ser Cys Phe Leu Gly Phe						
	245		250		255	
Leu Leu Met Tyr Ser Thr Val Leu Cys Ser Tyr Tyr Asn Ser Ala Leu						
	260		265		270	
Thr Thr Ala Val Val Gly Ala Ile Lys Asn Val Ser Val Ala Tyr Ile						
	275		280		285	
Gly Ile Leu Ile Gly Gly Asp Tyr Ile Phe Ser Leu Leu Asn Phe Val						
	290		295		300	
Gly Leu Asn Ile Cys Met Ala Gly Gly Leu Arg Tyr Ser Phe Leu Thr						
	305		310		315	320
Leu Ser Ser Gln Leu Lys Pro Lys Pro Val Gly Glu Glu Asn Ile Cys						
	325		330		335	
Leu Asp Leu Lys Ser						

340

<210> 1052

<211> 85

<212> PRT

<213> Homo sapiens

<400> 1052

Pro Ala Ala Arg Ala Ala Thr Asp Ser Val Ser Ala Ile Phe Asp Lys
1 5 10 15

Gly Lys Lys Val Arg Glu Ser Phe Gln Ala Leu Gly Arg Ile Ile Phe
20 25 30

Phe Gln Asp Ala Val Phe Arg Thr Phe Val Ile Lys His Thr Ala Gln
35 40 45

Val Ile Thr Gly Ile Asp Ser Asp Ile Arg His Leu Ser Leu Ala Leu
50 55 60

Leu Lys Asn Gly Gly Asn Val Ile Ser Trp Ala Gly Val Gly Cys Asn
65 70 75 80

Pro Glu Val Pro Leu
85

<210> 1053

<211> 724

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (680)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1053

Val Asp Ser Glu Ser Ala Ser Val Val Gly Lys Arg Pro Pro Phe His
1 5 10 15

Gly Thr Pro Ser Thr Met Ser Ser Pro Ala Ser Thr Pro Ser Arg Arg
20 25 30

Gly Ser Arg Arg Gly Arg Ala Thr Pro Ala Gln Thr Pro Arg Ser Glu
 35 40 45
 Asp Ala Arg Ser Ser Pro Ser Gln Arg Arg Arg Gly Glu Asp Ser Thr
 50 55 60
 Ser Thr Gly Glu Leu Gln Pro Met Pro Thr Ser Pro Gly Val Asp Leu
 65 70 75 80
 Gln Ser Pro Ala Ala Gln Xaa Val Leu Phe Ser Ser Pro Pro Gln Met
 85 90 95
 His Ser Ser Ala Ile Pro Leu Asp Phe Asp Val Ser Ser Pro Leu Thr
 100 105 110
 Tyr Gly Thr Pro Ser Ser Arg Val Glu Gly Thr Pro Arg Ser Gly Val
 115 120 125
 Arg Gly Thr Pro Val Arg Gln Arg Pro Asp Leu Gly Ser Ala Gln Lys
 130 135 140
 Gly Leu Gln Val Asp Leu Gln Ser Asp Gly Ala Ala Ala Glu Asp Ile
 145 150 155 160
 Val Ala Ser Glu Gln Ser Leu Gly Gln Lys Leu Val Ile Trp Gly Thr
 165 170 175
 Asp Val Asn Val Ala Ala Cys Lys Glu Asn Phe Gln Arg Phe Leu Gln
 180 185 190
 Arg Phe Ile Asp Pro Leu Ala Lys Glu Glu Glu Asn Val Gly Ile Asp
 195 200 205
 Ile Thr Glu Pro Leu Tyr Met Gln Arg Leu Gly Glu Ile Asn Val Ile
 210 215 220
 Gly Glu Pro Phe Leu Asn Val Asn Cys Glu His Ile Lys Ser Phe Asp
 225 230 235 240
 Lys Asn Leu Tyr Arg Gln Leu Ile Ser Tyr Pro Gln Glu Val Ile Pro
 245 250 255
 Thr Phe Asp Met Ala Val Asn Glu Ile Phe Phe Asp Arg Tyr Pro Asp
 260 265 270
 Ser Ile Leu Glu His Gln Ile Gln Val Arg Pro Phe Asn Ala Leu Lys
 275 280 285
 Thr Lys Asn Met Arg Asn Leu Asn Pro Glu Asp Ile Asp Gln Leu Ile
 290 295 300

Thr Ile Ser Gly Met Val Ile Arg Thr Ser Gln Leu Ile Pro Glu Met
 305 310 315 320
 Gln Glu Ala Phe Phe Gln Cys Gln Val Cys Ala His Thr Thr Arg Val
 325 330 335
 Glu Met Asp Arg Gly Arg Ile Ala Glu Pro Ser Val Cys Gly Arg Cys
 340 345 350
 His Thr Thr His Ser Met Ala Leu Ile His Asn Arg Ser Leu Phe Ser
 355 360 365
 Asp Lys Gln Met Ile Lys Leu Gln Glu Ser Pro Glu Asp Met Pro Ala
 370 375 380
 Gly Gln Thr Pro His Thr Val Ile Leu Phe Ala His Asn Asp Leu Val
 385 390 395 400
 Asp Lys Val Gln Pro Gly Asp Arg Val Asn Val Thr Gly Ile Tyr Arg
 405 410 415
 Ala Val Pro Ile Arg Val Asn Pro Arg Val Ser Asn Val Lys Ser Val
 420 425 430
 Tyr Lys Thr His Ile Asp Val Ile His Tyr Arg Lys Thr Asp Ala Lys
 435 440 445
 Arg Leu His Gly Leu Asp Glu Glu Ala Glu Gln Lys Leu Phe Ser Glu
 450 455 460
 Lys Arg Val Glu Leu Leu Lys Glu Leu Ser Arg Lys Pro Asp Ile Tyr
 465 470 475 480
 Glu Arg Leu Ala Ser Ala Leu Ala Pro Ser Ile Tyr Glu His Glu Asp
 485 490 495
 Ile Lys Lys Gly Ile Leu Leu Gln Leu Phe Gly Gly Thr Arg Lys Asp
 500 505 510
 Phe Ser His Thr Gly Arg Gly Lys Phe Arg Ala Glu Ile Asn Ile Leu
 515 520 525
 Leu Cys Gly Asp Pro Gly Thr Ser Lys Ser Gln Leu Leu Gln Tyr Val
 530 535 540
 Tyr Asn Leu Val Pro Arg Gly Gln Tyr Thr Ser Gly Lys Gly Ser Ser
 545 550 555 560
 Ala Val Gly Leu Thr Ala Tyr Val Met Lys Asp Pro Glu Thr Arg Gln
 565 570 575

Leu Val Leu Gln Thr Gly Ala Leu Val Leu Ser Asp Asn Gly Ile Cys
 580 585 590
 Cys Ile Asp Glu Phe Asp Lys Met Asn Glu Ser Thr Arg Ser Val Leu
 595 600 605
 His Glu Val Met Glu Gln Gln Thr Leu Ser Ile Ala Lys Ala Gly Ile
 610 615 620
 Ile Cys Gln Leu Asn Ala Arg Thr Ser Val Leu Ala Ala Ala Asn Pro
 625 630 635 640
 Ile Glu Ser Gln Trp Asn Pro Lys Lys Thr Thr Ile Glu Asn Ile Gln
 645 650 655
 Leu Pro His Thr Leu Leu Ser Arg Phe Asp Leu Ile Phe Leu Met Leu
 660 665 670
 Asp Pro Gln Asp Glu Ala Tyr Xaa Gln Ala Ser Gly Ser Pro Pro Gly
 675 680 685
 Arg Thr Val Leu Pro Glu Arg Gly Ala Gly Arg Gly Gly Ala Pro Gly
 690 695 700
 His Gly Gly Ala Lys Gly Leu His Cys Leu Arg Ala Gln His His His
 705 710 715 720
 Ala Ala Ala Lys

<210> 1054

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1054

Leu Leu Cys Phe Tyr Glu Pro Arg Cys Ser Arg Lys Trp Xaa Gln Arg
 1 5 10 15

His Ala Ser Xaa Arg Ser Pro Tyr Pro Ala Phe Val Pro Ala Val Pro
 20 25 30

Lys Ser Leu Ala Arg Ile Leu His Leu Gly Lys Lys Val Leu Asn Ala
 35 40 45

Asn Val Thr Pro
 50

<210> 1055

<211> 221

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (205)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (207)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1055

Arg Arg Gly Phe Gly Gly Val Arg Ala Ser Glu Ala Cys Gly Leu Arg
 1 5 10 15

Arg Arg Ala Gly Phe Gly Gly Val Arg Ala Ser Gly Ala Met Gly Thr
 20 25 30

Pro Pro Gly Leu Gln Thr Asp Cys Glu Ala Leu Leu Ser Arg Phe Gln
 35 40 45

Glu Thr Asp Ser Val Arg Phe Glu Asp Phe Thr Glu Leu Trp Arg Asn
 50 55 60

Met Lys Phe Gly Thr Ile Phe Cys Gly Arg Met Arg Asn Leu Glu Lys
 65 70 75 80

Asn Met Phe Thr Lys Glu Ala Leu Ala Leu Ala Trp Arg Tyr Phe Leu
 85 90 95

Pro Pro Tyr Thr Phe Gln Ile Arg Val Gly Ala Leu Tyr Leu Leu Tyr
 100 105 110

Gly Leu Tyr Asn Thr Gln Leu Cys Gln Pro Lys Gln Lys Ile Arg Val
 115 120 125

Ala Leu Lys Asp Trp Asp Glu Val Leu Lys Phe Gln Gln Asp Leu Val
 130 135 140

Asn Ala Gln His Phe Asp Ala Ala Tyr Ile Phe Arg Lys Leu Arg Leu
 145 150 155 160

Asp Arg Ala Phe His Phe Thr Ala Met Pro Lys Leu Leu Ser Tyr Arg
 165 170 175

Met Lys Lys Lys Ile His Arg Ala Glu Val Thr Glu Glu Phe Lys Asp
 180 185 190

Pro Ser Asp Arg Val Met Lys Leu Ile Thr Ser Asp Xaa Leu Xaa Glu
 195 200 205

Met Leu Asn Gly His Asp His Tyr Gln Asn Met Asn Met
 210 215 220

<210> 1056

<211> 59

<212> PRT

<213> Homo sapiens

<400> 1056

Lys Ala Val Arg Ser Met Leu Leu Ser Ser Leu Arg Glu Asn Phe Leu
 1 5 10 15

Asn Asn Thr Arg Lys Arg Lys Ile Gly Leu Phe Ser Leu Leu Val Leu
 20 25 30

Ser Ile Leu Ser Ser Leu Gln Gly Arg Val Ala Lys Leu Trp Gly Leu
 35 40 45

Asn Pro Glu Gly Gly Leu Ser Gly His Gln Thr
 50 55

<210> 1057

<211> 193

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (192)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1057

Ser Leu Pro Trp Arg Val Pro Arg Ser Met Glu Thr Phe Asp Pro Thr
 1 5 10 15

Glu Leu Pro Glu Leu Leu Lys Leu Tyr Tyr Arg Arg Leu Phe Pro Tyr
 20 25 30

Ser Gln Tyr Tyr Arg Trp Leu Asn Tyr Gly Gly Val Ile Lys Asn Tyr
 35 40 45

Phe Gln His Arg Glu Phe Ser Phe Thr Leu Lys Asp Asp Ile Tyr Ile
 50 55 60

Arg Tyr Gln Ser Phe Asn Asn Gln Ser Asp Leu Glu Lys Glu Met Gln
 65 70 75 80

Lys Met Asn Pro Tyr Lys Ile Asp Ile Gly Ala Val Tyr Ser His Arg
 85 90 95

Pro Asn Gln His Asn Thr Val Lys Leu Gly Ala Phe Gln Ala Gln Glu
 100 105 110

Lys Glu Leu Val Phe Asp Ile Asp Met Thr Asp Tyr Asp Asp Val Arg
 115 120 125

Arg Cys Cys Ser Ser Ala Asp Ile Cys Pro Lys Cys Trp Thr Leu Met
 130 135 140

Thr Met Ala Ile Arg Ile Ile Asp Arg Ala Leu Lys Glu Asp Phe Gly
 145 150 155 160

Phe Lys His Arg Leu Trp Val Tyr Ser Gly Arg Arg Gly Val His Cys
 165 170 175

Trp Val Cys Asp Glu Ser Val Arg Asn Cys Leu Leu Gln Tyr Val Xaa
 180 185 190

Gly

<210> 1058

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1058

Asp Glu Asp Asn Glu Lys Glu Lys Arg Asp Ser Leu Gly Asn Glu Glu
 1 5 10 15

Ser Val Asp Lys Thr Ala Cys Glu Cys Val Arg Ser Pro Arg Glu Ser
 20 25 30

Leu Asp Asp Leu Phe Gln Ile Cys Ser Pro Cys Ala Ile Ala Ser Gly
 35 40 45

Leu Arg Xaa Thr Trp Leu Asn
 50 55

<210> 1059

<211> 205

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (205)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1059

Arg Val Ser Leu Val Val Thr Glu Thr Val Asp Ala Gly Leu Phe Gly
 1 5 10 15

Glu Gly Ile Val Glu Ser Leu Ile His Ala Trp Glu His Leu Leu Leu
 20 25 30

Gln Pro Lys Thr Lys Gly Glu Ser Ala Asn Cys Glu Lys Tyr Gly Lys
 35 40 45

Val Ile Pro Ala Ser Ala Val Ile Phe Gly Met Ala Val Glu Cys Ala
 50 55 60

Glu Ile Arg Arg His His Arg Val Gly Ile Lys Asp Ile Ala Gly Ile
 65 70 75 80

His Leu Pro Thr Asn Val Lys Phe Gln Ser Pro Ala Tyr Ser Ser Val
 85 90 95

Asp Thr Glu Glu Thr Ile Glu Pro Tyr Thr Thr Glu Lys Met Ser Arg

100	105	110
Val Pro Gly Gly Tyr Leu Ala Leu Thr Glu Cys Phe Glu Ile Met Xaa		
115	120	125
Val Asp Phe Asn Asn Leu Gln Glu Leu Lys Ser Leu Ala Thr Lys Lys		
130	135	140
Pro Gly Lys Ile Gly Ile Pro Val Ile Lys Glu Gly Ile Leu Asp Ala		
145	150	155 160
Val Val Val Trp Phe Val Leu Gln Leu Asp Asp Glu His Ser Leu Ser		
165	170	175
Thr Ser Pro Asn Glu Glu Thr Cys Trp Glu Gln Ala Val Tyr Pro Val		
180	185	190
His Asp Leu Ala Asp Tyr Arg Ile Lys Arg Gly Asp Xaa		
195	200	205

<210> 1060

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1060

Pro Val Lys Val Trp Glu Gly Leu Arg Glu Lys Arg Ser Val Phe Ser		
1	5	10 15
Ser Gly Ser Gly Ser Cys Lys Leu His Leu Pro Gly Ala Leu Pro Leu		
20	25	30
Leu Tyr Pro Phe Ala Val Cys Pro Pro Pro Pro Gly Ser Trp Ser Pro		
35	40	45
Ser Cys Ser Asn Ser Phe Cys Ser Tyr Ser Arg Gly Leu Leu Gly Leu		
50	55	60
Leu Ser Pro Val Arg Leu Gly Xaa Ala Leu Gly Ser Trp Val Ser Ser		
65	70	75 80
Thr Asp His Ala Arg Pro Leu Arg Pro Gln Ile Ile		
85	90	

<210> 1061
<211> 295
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (243)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (277)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1061
Ala Glu Ala Ile Pro Leu Ala Asp Gln Pro His Leu Leu Gln Pro Asn
1 5 10 15

Ala Arg Lys Glu Asp Leu Phe Gly Arg Pro Ser Gln Gly Leu Tyr Ser
20 25 30

Ser Ser Ala Ser Ser Gly Lys Cys Leu Met Glu Val Thr Val Asp Arg
35 40 45

Asn Cys Leu Glu Val Leu Pro Thr Lys Met Ser Tyr Ala Ala Asn Leu
50 55 60

Lys Asn Val Met Asn Met Gln Asn Arg Gln Lys Lys Glu Gly Glu Glu
65 70 75 80

Gln Pro Val Leu Pro Glu Glu Thr Glu Ser Ser Lys Pro Gly Pro Ser
85 90 95

Ala His Asp Leu Ala Ala Gln Leu Lys Ser Ser Leu Leu Ala Glu Ile
100 105 110

Gly Leu Thr Glu Ser Glu Gly Pro Pro Leu Thr Ser Phe Arg Pro Gln
115 120 125

Cys Ser Phe Met Gly Met Val Ile Ser His Asp Met Leu Leu Gly Arg
130 135 140

Trp Arg Leu Ser Leu Glu Leu Phe Gly Arg Val Phe Met Glu Asp Val
145 150 155 160

Gly Ala Glu Pro Gly Ser Ile Leu Thr Glu Leu Gly Gly Phe Glu Val
165 170 175

Lys Glu Ser Lys Phe Arg Arg Glu Met Glu Lys Leu Arg Asn Gln Gln
 180 185 190

Ser Arg Asp Leu Ser Leu Glu Val Asp Arg Asp Arg Asp Leu Leu Ile
 195 200 205

Gln Gln Thr Met Arg Gln Leu Asn Asn His Phe Gly Arg Arg Cys Ala
 210 215 220

Thr Thr Pro Met Ala Val His Arg Val Lys Val Thr Phe Lys Asp Glu
 225 230 235 240

Pro Gly Xaa Gly Ser Gly Val Ala Arg Ser Phe Tyr Thr Ala Ile Ala
 245 250 255

Gln Ala Phe Leu Ser Asn Glu Lys Leu Pro Asn Leu Glu Cys Ile Pro
 260 265 270

Lys Lys Lys Phe Xaa Pro Pro Gln Lys Pro Lys Lys Lys Gly Pro Thr
 275 280 285

Pro Asn His Gln Arg Val Phe
 290 295

<210> 1062
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 1062
 Gly Glu Glu His Ile Pro Gln Glu Ala Pro Gln Gly Ala Glu Thr Ala
 1 5 10 15

Leu Ile Pro Ala Asp Ile Thr Glu Lys Gln Gln Ser Leu Phe Asn Phe
 20 25 30

Val Thr Met
 35

<210> 1063
 <211> 210
 <212> PRT
 <213> Homo sapiens

<400> 1063
 Gln Tyr Phe Met Thr Met Asp Gly Asp Ser Ser Thr Thr Asp Ala Ser
 1 5 10 15

Gln Leu Gly Ile Ser Ala Asp Tyr Ile Gly Gly Ser His Tyr Val Ile
 20 25 30
 Gln Pro His Asp Asp Thr Glu Asp Ser Met Asn Asp His Glu Asp Thr
 35 40 45
 Asn Gly Ser Lys Glu Ser Phe Arg Glu Gln Asp Ile Tyr Leu Pro Ile
 50 55 60
 Ala Asn Val Ala Arg Ile Met Lys Asn Ala Ile Pro Gln Thr Gly Lys
 65 70 75 80
 Ile Ala Lys Asp Ala Lys Glu Cys Val Gln Glu Cys Val Ser Glu Phe
 85 90 95
 Ile Ser Phe Ile Thr Ser Glu Ala Ser Glu Arg Cys His Gln Glu Lys
 100 105 110
 Arg Lys Thr Ile Asn Gly Glu Asp Ile Leu Phe Ala Met Ser Thr Leu
 115 120 125
 Gly Phe Asp Ser Tyr Val Glu Pro Leu Lys Leu Tyr Leu Gln Lys Phe
 130 135 140
 Arg Glu Ala Met Lys Gly Glu Lys Gly Ile Gly Gly Ala Val Thr Ala
 145 150 155 160
 Thr Asp Gly Leu Ser Glu Glu Leu Thr Glu Glu Ala Phe Thr Asn Gln
 165 170 175
 Leu Pro Ala Gly Leu Ile Thr Thr Asp Gly Gln Gln Gln Asn Val Met
 180 185 190
 Val Tyr Thr Thr Ser Tyr Gln Gln Ile Ser Gly Val Gln Gln Ile Gln
 195 200 205
 Phe Ser
 210

<210> 1064

<211> 332

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (216)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (315)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (326)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1064

Leu Arg Pro Ser Val Tyr Pro Val Ala Ser Ser Leu Pro Val Pro Asp
 1 5 10 15

Leu Ile Leu Arg Gln Arg Leu Leu Gln Asp Pro Val Ala Arg Pro Gln
 20 25 30

Ala Met Ala Gly Pro Phe Ser Arg Leu Leu Ser Ala Arg Pro Gly Leu
 35 40 45

Arg Leu Leu Ala Leu Ala Gly Ala Gly Ser Leu Ala Ala Gly Phe Leu
 50 55 60

Leu Arg Pro Glu Pro Val Arg Ala Ala Ser Glu Arg Arg Arg Leu Tyr
 65 70 75 80

Pro Pro Ser Ala Glu Tyr Pro Asp Leu Arg Lys His Asn Asn Cys Met
 85 90 95

Ala Ser His Leu Thr Pro Ala Val Tyr Ala Arg Leu Cys Asp Lys Thr
 100 105 110

Thr Pro Thr Gly Trp Thr Leu Asp Gln Cys Ile Gln Thr Gly Val Asp
 115 120 125

Asn Pro Gly His Pro Phe Ile Lys Thr Val Gly Met Val Ala Gly Asp
 130 135 140

Glu Glu Thr Tyr Glu Val Phe Ala Asp Leu Phe Asp Pro Val Ile Gln
 145 150 155 160

Glu Arg His Asn Gly Tyr Asp Pro Arg Thr Met Lys His Thr Thr Asp
 165 170 175

Leu Asp Ala Ser Lys Ile Arg Ser Gly Tyr Phe Asp Glu Arg Tyr Val
 180 185 190

Leu Ser Ser Arg Val Arg Thr Gly Arg Ser Ile Arg Gly Leu Ser Leu
 195 200 205

Pro Pro Ala Cys Thr Arg Ala Xaa Arg Arg Glu Val Glu Arg Val Val
 210 215 220
 Val Asp Ala Leu Ser Gly Leu Lys Gly Asp Leu Ala Gly Arg Tyr Tyr
 225 230 235 240
 Arg Leu Ser Glu Met Thr Glu Ala Glu Gln Gln Gln Leu Ile Asp Asp
 245 250 255
 His Phe Leu Phe Asp Lys Pro Val Ser Pro Leu Leu Thr Ala Ala Gly
 260 265 270
 Met Ala Arg Asp Trp Pro Asp Ala Arg Gly Ile Trp His Asn Asn Glu
 275 280 285
 Lys Ser Phe Leu Ile Trp Val Asn Glu Glu Asp His Thr Arg Val Ile
 290 295 300
 Ser Met Glu Lys Gly Gly Asn Met Lys Arg Xaa Phe Glu Arg Ser Ala
 305 310 315 320
 Glu Ala Ser Lys Arg Xaa Arg Asp Tyr Val Gly Asp
 325 330

<210> 1065

<211> 241

<212> PRT

<213> Homo sapiens

<400> 1065

Ser Phe Phe Phe Lys Val Ser Arg Ser Glu Ala Ser His Arg Met Ile
 1 5 10 15
 Leu Leu Asn Asn Ser His Lys Leu Leu Ala Leu Tyr Lys Ser Leu Ala
 20 25 30
 Arg Ser Ile Pro Glu Ser Leu Lys Val Tyr Gly Ser Val Tyr His Ile
 35 40 45
 Asn His Gly Asn Pro Phe Asn Met Glu Val Leu Val Asp Ser Trp Pro
 50 55 60
 Glu Tyr Gln Met Val Ile Ile Arg Pro Gln Lys Gln Glu Met Thr Asp
 65 70 75 80
 Asp Met Asp Ser Tyr Thr Asn Val Tyr Arg Met Phe Ser Lys Glu Pro
 85 90 95
 Gln Lys Ser Glu Glu Val Leu Lys Asn Cys Glu Ile Val Asn Trp Lys

100	105	110
Gln Arg Leu Gln Ile Gln Gly Leu Gln Glu Ser Leu Gly Glu Gly Ile		
115	120	125
Arg Val Ala Thr Phe Ser Lys Ser Val Lys Val Glu His Ser Arg Ala		
130	135	140
Leu Leu Leu Val Thr Glu Asp Ile Leu Lys Leu Asn Ala Ser Ser Lys		
145	150	155 160
Ser Lys Leu Gly Ser Trp Ala Glu Thr Gly His Pro Asp Asp Glu Phe		
165	170	175
Glu Ser Glu Thr Pro Asn Phe Lys Tyr Ala Gln Leu Asp Val Ser Tyr		
180	185	190
Ser Gly Leu Val Asn Asp Asn Trp Lys Arg Gly Lys Asn Glu Arg Ser		
195	200	205
Leu His Tyr Ile Lys Arg Cys Ile Glu Asp Leu Pro Ala Ala Cys Met		
210	215	220
Leu Gly Pro Glu Glu Ile Pro Val Ser Trp Val Thr Met Gly Pro Phe		
225	230	235 240
Leu		

<210> 1066

<211> 142

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1066

Glu Val Leu Arg Asp Cys Xaa Ser Pro Asn Ser Ile Ser Ile Met Gly
1 5 10 15

Leu Asn Thr Ser Arg Val Ala Ile Thr Leu Lys Pro Gln Asp Pro Met

			20						25							30	
Glu	Gln	Asn	Val	Ala	Glu	Leu	Leu	Gln	Phe	Leu	Leu	Val	Lys	Asp	Gln		
		35						40					45				
Ser	Lys	Tyr	Pro	Ile	Arg	Glu	Ser	Glu	Met	Arg	Glu	Tyr	Ile	Val	Lys		
	50					55						60					
Glu	Tyr	Arg	Asn	Gln	Phe	Pro	Glu	Ile	Leu	Arg	Arg	Ala	Ala	Ala	His		
65					70					75					80		
Leu	Glu	Cys	Ile	Phe	Arg	Phe	Glu	Leu	Arg	Glu	Leu	Asp	Pro	Glu	Ala		
				85					90					95			
His	Thr	Tyr	Ile	Leu	Leu	Asn	Lys	Leu	Gly	Pro	Val	Pro	Phe	Glu	Gly		
			100					105					110				
Leu	Glu	Glu	Ser	Pro	Asn	Gly	Pro	Lys	Met	Gly	Leu	Leu	Met	Met	Ile		
		115					120					125					
Leu	Xaa	Gln	Ile	Phe	Leu	Asn	Gly	Asn	Gln	Ala	Lys	Glu	Ala				
130						135					140						

<210> 1067

<211> 111

<212> PRT

<213> Homo sapiens

<400> 1067

Thr Arg Ser Ala Gly Ser Arg Gly Gly Ala Trp Thr Pro Ala Trp Gln
1 5 10 15

Val Pro Pro Arg Glu Arg Gly Ser Arg Cys Ile Ser Ala Ala Phe Ile
20 25 30

Thr Asp Leu Gly Leu His Gln Gly Thr Cys Arg Thr Ala Leu Lys Thr
35 40 45

Ala Glu Ser Glu Glu Pro Ser Leu Gly Pro Gly Arg Pro Ala Val Gln
50 55 60

Leu Ala Ser Arg Ile Pro Leu Pro Ala Pro Ala Asp Asp Leu Phe Trp
65 70 75 80

Arg Val Glu Asn Val Leu Gly Phe Lys Val Gln Ser Gly Phe Leu Ser
85 90 95

Ile His Tyr Ser Cys Leu His Ser Thr Asn Lys Ser Trp Glu Arg
100 105 110

<210> 1068
 <211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1068
 Leu Leu Tyr Gln Ser Ile Glu Asp Ser Ser Tyr Leu Leu Pro Val Ala
 1 5 10 15
 Gln Phe Arg Phe Trp Glu Xaa Ala Glu Gln Val Lys His Arg Lys Leu
 20 25 30
 Lys Arg Arg Asn Pro His Phe Gly Pro Ile Phe Leu Leu Asp Tyr Phe
 35 40 45
 Leu Ile Ser Ile Leu Pro Ile Val Leu Met Phe
 50 55

<210> 1069
 <211> 55
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1069
 Cys Leu Ala Val Arg Arg His Glu Leu Arg Thr Val His His Gly Ser
 1 5 10 15
 Glu Arg Xaa Arg Asn Pro Ser Pro Ile Arg Thr Met Thr Asp Ile Leu
 20 25 30
 Ser Arg Gly Pro Lys Ser Met Ile Ser Leu Ala Gly Gly Leu Pro Asn
 35 40 45
 Pro Asn Met Phe Pro Phe Lys
 50 55

<210> 1070

<211> 369

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (293)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1070

Asp Arg Ser Phe Leu Glu Asp Thr Thr Pro Ala Arg Asp Glu Lys Lys
1 5 10 15

Val Gly Ala Lys Ala Ala Gln Gln Asp Ser Xaa Ser Xaa Gly Glu Ala
20 25 30

Leu Gly Gly Xaa Pro Met Val Ala Xaa Phe Gln Asp Asp Val Asp Leu
35 40 45

Glu Asp Gln Pro Arg Gly Ser Pro Pro Leu Pro Ala Gly Pro Val Pro
50 55 60

Ser Gln Asp Ile Thr Leu Ser Ser Glu Glu Glu Ala Glu Val Ala Ala
65 70 75 80

Pro Thr Lys Gly Pro Ala Pro Ala Pro Gln Gln Cys Ser Glu Pro Glu
85 90 95

Thr Lys Trp Ser Ser Ile Pro Ala Ser Lys Pro Arg Arg Gly Thr Ala
 100 105 110

Pro Thr Arg Thr Ala Ala Pro Pro Trp Pro Gly Gly Val Ser Val Arg
 115 120 125

Thr Gly Pro Glu Lys Arg Ser Ser Thr Arg Pro Pro Ala Glu Met Glu
 130 135 140

Pro Gly Lys Gly Glu Gln Ala Ser Ser Ser Glu Ser Asp Pro Glu Gly
 145 150 155 160

Pro Ile Ala Ala Gln Met Leu Ser Phe Val Met Asp Asp Pro Asp Phe
 165 170 175

Glu Ser Glu Gly Ser Asp Thr Gln Arg Arg Ala Asp Asp Phe Pro Val
 180 185 190

Arg Asp Asp Pro Ser Asp Val Thr Asp Glu Asp Glu Gly Pro Ala Glu
 195 200 205

Pro Pro Pro Pro Pro Lys Leu Pro Leu Pro Ala Phe Arg Leu Lys Asn
 210 215 220

Asp Ser Asp Leu Phe Gly Leu Gly Leu Glu Glu Ala Gly Pro Lys Glu
 225 230 235 240

Ser Ser Glu Glu Gly Lys Glu Gly Lys Thr Pro Ser Lys Glu Lys Lys
 245 250 255

Lys Lys Lys Lys Lys Gly Lys Glu Glu Glu Glu Lys Ala Ala Lys Lys
 260 265 270

Lys Ser Lys His Lys Lys Ser Lys Asp Lys Glu Glu Gly Lys Glu Glu
 275 280 285

Arg Arg Arg Arg Xaa Gln Arg Pro Pro Arg Ser Arg Glu Arg Thr Ala
 290 295 300

Ala Asp Glu Leu Glu Ala Phe Leu Gly Gly Gly Ala Arg Ala Ala Ala
 305 310 315 320

Thr Leu Gly Val Ala Thr Thr Arg Ser Ser Arg Pro Ala Trp Ala Val
 325 330 335

Ala Ala Leu Gly Arg Gly Ala Cys Leu Ser Leu Pro Gly Glu Ala Phe
 340 345 350

Ala Ser Val Pro Ser Pro Leu Pro Leu Pro Arg Gly Cys Arg Val Arg
 355 360 365

Phe

<210> 1071

<211> 209

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (179)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (189)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (202)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (208)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1071

Glu Arg Leu Tyr Pro Ala Val Val Val Gly Gly Arg Ala Val Glu Gln
1 5 10 15

Gln His Arg Arg Gly Ser Arg Glu Ala Gly Ser Ala Arg Ala Glu Met
20 25 30

Trp Asn Leu Leu His Glu Thr Asp Ser Ala Val Ala Thr Ala Arg Arg
35 40 45

Pro Arg Trp Leu Cys Ala Gly Ala Leu Val Leu Ala Gly Gly Phe Phe
50 55 60

Leu Leu Gly Phe Leu Phe Gly Trp Phe Ile Lys Ser Ser Asn Glu Ala
65 70 75 80

Thr Asn Ile Thr Pro Lys His Asn Met Lys Ala Phe Leu Asp Glu Leu
85 90 95

Lys Ala Glu Asn Ile Lys Lys Phe Leu Tyr Asn Phe Thr Gln Ile Pro
100 105 110

His Leu Ala Gly Thr Glu Gln Asn Phe Gln Leu Ala Lys Gln Ile Gln
115 120 125

Ser Gln Trp Lys Glu Phe Gly Leu Asp Ser Val Glu Leu Ala His Tyr
130 135 140

Asp Val Leu Leu Ser Tyr Pro Asn Lys Thr His Pro Asn Tyr Ile Ser
145 150 155 160

Ile Ile Asn Glu Asp Gly Asn Glu Ile Phe Asn Thr Ser Leu Phe Glu
165 170 175

Pro Pro Xaa Xaa Gly Tyr Glu Asn Gly Ser Asp Ile Xaa Pro Pro Phe
180 185 190

Ser Ala Phe Ser Pro Gln Gly Met Pro Xaa Gly Asp Leu Val Tyr Xaa
195 200 205

Asn

<210> 1072

<211> 135

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1072

Leu Gln Gly Leu Leu Ile Asn Pro Leu Thr Leu Ser Pro Ser Asn Thr

1	5	10	15
Val Ser Gln Ser Leu Phe Phe Trp Leu Gly Phe Tyr Ile Lys Leu Ser	20	25	30
Ile Leu Ser Asn Asp Leu Ser Leu Leu Pro Phe Leu Leu His Ile Pro	35	40	45
Ile Lys Thr Phe Phe Val Phe Asn Ser Cys His Leu Asp Ser Arg Thr	50	55	60
Ser Ser Ile Pro His Val Cys Ser Leu Leu Cys Gln Pro Arg Pro Phe	65	70	75
Leu Tyr Pro Pro Ala Trp Xaa Cys Cys Pro Leu Cys Ser Xaa Leu Thr	85	90	95
Arg Tyr Lys Glu His Glu Asp Gly Tyr Met Arg Leu Gln Leu Val Arg	100	105	110
Xaa Glu Ser Val Glu Leu Thr Gln Gln Leu Leu Arg Gln Pro Gln Glu	115	120	125
Gly Ser Gly Trp Glu Arg Arg	130	135	

<210> 1073

<211> 135

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1073

Pro Ser Asp Val Asn Val Met Ala Glu Ser Leu Lys Asp Met Glu Ala	1	5	10	15
---	---	---	----	----

Asp Ala Gln Lys Leu Tyr Gln Leu Ile Trp Arg Gln Phe Val Ala Cys	20	25	30
---	----	----	----

Gln Met Thr Pro Ala Lys Tyr Asp Ser Thr Thr Leu Thr Val Gly Xaa

35 40 45
Gly Asp Phe Arg Leu Lys Ala Arg Gly Arg Ile Leu Arg Phe Asp Gly
50 55 60
Trp Thr Lys Val Met Pro Ala Leu Arg Lys Gly Asp Glu Asp Arg Ile
65 70 75 80
Leu Pro Ala Val Asn Lys Gly Asp Ala Leu Thr Leu Val Glu Leu Thr
85 90 95
Pro Ala Gln His Phe Thr Lys Pro Pro Ala Arg Phe Ser Glu Ala Ser
100 105 110
Leu Val Lys Glu Leu Glu Lys Arg Gly Ile Gly Arg Pro Ser Xaa Tyr
115 120 125
Ala Ser Ile Ile Ser Thr Ile
130 135

<210> 1074

<211> 410

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (177)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (248)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (300)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (372)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1074

Arg	Asn	Lys	Arg	Glu	Glu	Lys	Lys	Ala	Gln	Asn	Ser	Glu	Xaa	Arg	Met
1				5					10					15	
Lys	Arg	Ala	Gln	Xaa	Tyr	Asp	Ser	Ser	Phe	Pro	Asn	Trp	Glu	Phe	Ala
		20						25					30		
Arg	Met	Ile	Lys	Glu	Phe	Arg	Ala	Thr	Leu	Glu	Cys	His	Pro	Leu	Thr
	35						40					45			
Met	Thr	Asp	Pro	Ile	Glu	Glu	His	Arg	Ile	Cys	Val	Cys	Val	Arg	Lys
	50					55					60				
Arg	Pro	Leu	Asn	Lys	Gln	Glu	Leu	Ala	Lys	Lys	Glu	Ile	Asp	Val	Ile
	65				70					75					80
Ser	Ile	Pro	Ser	Lys	Cys	Leu	Leu	Leu	Val	His	Glu	Pro	Lys	Leu	Lys
				85					90					95	
Val	Asp	Leu	Thr	Lys	Tyr	Leu	Glu	Asn	Gln	Ala	Phe	Cys	Phe	Asp	Phe
		100						105					110		
Ala	Phe	Asp	Glu	Thr	Ala	Ser	Asn	Glu	Val	Val	Tyr	Arg	Phe	Thr	Ala
		115					120					125			
Arg	Pro	Leu	Val	Gln	Thr	Ile	Phe	Glu	Gly	Gly	Lys	Ala	Thr	Cys	Phe
	130					135					140				
Ala	Tyr	Gly	Gln	Thr	Gly	Ser	Gly	Lys	Thr	His	Thr	Met	Gly	Gly	Asp
	145				150					155					160
Leu	Ser	Gly	Lys	Ala	Gln	Asn	Ala	Ser	Lys	Gly	Ile	Tyr	Ala	Met	Ala
			165						170					175	
Xaa	Arg	Asp	Val	Phe	Leu	Leu	Lys	Asn	Gln	Pro	Cys	Tyr	Arg	Lys	Leu
		180						185					190		
Gly	Leu	Glu	Val	Tyr	Val	Thr	Phe	Phe	Glu	Ile	Tyr	Asn	Gly	Lys	Leu
		195					200					205			
Phe	Asp	Leu	Leu	Asn	Lys	Lys	Ala	Lys	Leu	Arg	Val	Leu	Glu	Asp	Gly
	210					215				220					
Lys	Gln	Gln	Val	Gln	Val	Val	Gly	Leu	Gln	Glu	His	Leu	Val	Asn	Ser
	225				230					235					240

Ala Asp Asp Val Ile Lys Met Xaa Asp Met Gly Ser Ala Cys Arg Thr
245 250 255

Ser Gly Gln Thr Phe Ala Asn Ser Asn Ser Ser Arg Ser His Ala Cys
260 265 270

Phe Gln Ile Ile Leu Arg Ala Lys Gly Arg Met His Gly Lys Phe Ser
275 280 285

Leu Val Asp Leu Ala Gly Asn Glu Arg Gly Ala Xaa Thr Ser Ser Ala
290 295 300

Asp Arg Gln Thr Arg Met Glu Gly Ala Glu Ile Asn Lys Ser Leu Leu
305 310 315 320

Ala Leu Lys Glu Cys Ile Arg Ala Leu Gly Gln Asn Lys Ala His Thr
325 330 335

Pro Phe Arg Glu Ser Lys Leu Thr Gln Val Leu Arg Asp Ser Phe Ile
340 345 350

Gly Glu Asn Ser Arg Thr Cys Met Ile Ala Thr Ile Ser Pro Gly Ile
355 360 365

Ser Ser Cys Xaa Ile Tyr Phe Lys His Pro Glu Ile Cys Arg Gln Gly
370 375 380

Gln Gly Ala Glu Pro Pro Gln Trp Ala Gln Trp Arg Ala Val Asp Ser
385 390 395 400

Asn Gly Asn Arg Arg Asp Gly Ser Leu Leu
405 410

<210> 1075

<211> 196

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (167)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1075

Leu Pro Phe Phe Arg Leu Ser Phe Ala Phe Val Leu Arg Gly Phe Arg
 1 5 10 15
 Asn Thr Ala Gln Asn Tyr Arg Glu Asn Thr Pro Ala Arg Ala Leu Ser
 20 25 30
 Arg Thr Arg Cys Ala Ala Ser Val Trp Leu Ala Ser Ser Ser Gln Phe
 35 40 45
 Pro Thr His Arg Leu Arg Ser Ser Asn Ser His Asp Ile Cys Ser Thr
 50 55 60
 Arg Arg Arg Ile Arg Cys Arg Val Leu Ala Arg Pro Phe Ser Ser Ala
 65 70 75 80
 Cys Cys Xaa His Arg Cys Val Thr Arg Asn Arg Arg Ala Glu Gln His
 85 90 95
 Asp Val Arg Phe Gly Glu Leu His Gln Pro Tyr Pro Gln Ala Gly Ala
 100 105 110
 Ala Gly Val Ser Arg Gly Arg Gly Glu Ala Ala Val Gly Asp Arg Trp
 115 120 125
 Glu Val Gly Arg Pro Gly Leu Gly Gly Ile Leu Gly Ala Gly Glu Glu
 130 135 140
 Met Arg Ala Pro Glu Arg Pro Arg Val Arg Arg Arg Arg Leu Glu Pro
 145 150 155 160
 Ser Arg Cys Cys Gly Pro Xaa Gly Pro Phe His Phe Ala Cys Lys Thr
 165 170 175
 Gln Ile Lys Thr Gln Cys Asp Tyr Ser Glu Leu Phe Cys Leu Lys Lys
 180 185 190
 Asn Val Arg Ser
 195

<210> 1076

<211> 31

<212> PRT

<213> Homo sapiens

<400> 1076

Gln Leu Thr Leu Asn Ile Ser Leu Leu Leu Ser Leu Ser Leu Ser Phe
 1 5 10 15

Phe Phe Asn Met Val Lys Leu Asp Gln Gly Ser Glu His Arg Phe
 20 25 30

<210> 1077

<211> 87

<212> PRT

<213> Homo sapiens

<400> 1077

Asn Cys Pro Asn Pro His Leu His Lys Asn Leu Ser Pro Val His Lys
 1 5 10 15

Ala Asp His Glu Ala Ile Ile Phe Leu Glu Gly Phe Leu Ala Cys Ser
 20 25 30

Pro Val Ala Ser Ala Ala Leu Ala Leu Cys His Ser Glu Pro Lys Gly
 35 40 45

Lys Val Met Glu Gln His His Ile Cys Arg Leu Ser Val Leu Phe Gly
 50 55 60

Glu Gly Lys Gly Arg Glu Cys Arg Arg Met Lys Lys Phe Leu Pro Thr
 65 70 75 80

Ala Ser Ile Leu Ile Phe Leu
 85

<210> 1078

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1078

Pro Asp Gln Gly Gly Asp Glu Gly Ile Leu Ser Ser Arg Thr Cys Arg
 1 5 10 15

Gly Thr Arg Gln Gly Pro His Pro Arg Gly Asp Pro Val Ala Arg His

20 25 30
 Ile Met Gly Thr Ala Gly Trp Pro Gln Ala Ser Ala Pro Leu Leu Pro
 35 40 45
 Cys Arg Gln Gly Leu Leu Glu Pro Cys Ala His Pro Gly Leu Leu Arg
 50 55 60
 Xaa Gln Pro Cys Thr Glu Ser Ala Asp Val Pro Cys Leu Xaa Thr Arg
 65 70 75 80
 Pro Leu Cys Pro Leu
 85

<210> 1079

<211> 594

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (430)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1079

Cys Cys Leu Arg Phe Ser Phe Thr Phe Thr Glu Met Ser Tyr Gly Glu
 1 5 10 15
 Ile Glu Gly Lys Phe Leu Gly Pro Arg Glu Glu Val Thr Ser Glu Pro
 20 25 30
 Arg Cys Lys Lys Leu Lys Ser Thr Thr Glu Ser Tyr Val Phe His Asn
 35 40 45
 His Ser Asn Ala Asp Phe His Arg Ile Gln Glu Lys Thr Gly Asn Asp
 50 55 60
 Trp Val Pro Val Thr Ile Ile Asp Val Arg Gly His Ser Tyr Leu Gln
 65 70 75 80
 Glu Asn Lys Ile Lys Thr Thr Asp Leu His Arg Pro Leu His Asp Glu
 85 90 95
 Met Pro Gly Asn Arg Pro Asp Val Ile Glu Ser Ile Asp Ser Gln Val
 100 105 110
 Leu Gln Glu Ala Arg Pro Pro Leu Val Ser Ala Asp Asp Glu Ile Tyr
 115 120 125

Ser Thr Ser Lys Ala Phe Ile Gly Pro Ile Tyr Lys Pro Pro Glu Lys
130 135 140

Lys Lys Arg Asn Glu Gly Arg Asn Glu Ala His Val Leu Asn Gly Ile
145 150 155 160

Asn Asp Arg Gly Gly Gln Lys Glu Lys Gln Lys Phe Asn Ser Glu Lys
165 170 175

Ser Glu Ile Asp Asn Glu Leu Phe Gln Phe Tyr Lys Glu Ile Glu Glu
180 185 190

Leu Glu Lys Glu Lys Asp Gly Phe Glu Asn Ser Cys Lys Glu Ser Glu
195 200 205

Pro Ser Gln Glu Gln Phe Val Pro Phe Tyr Glu Gly His Asn Asn Gly
210 215 220

Leu Leu Lys Pro Asp Glu Glu Lys Lys Asp Leu Ser Asn Lys Ala Met
225 230 235 240

Pro Ser His Cys Asp Tyr Gln Gln Asn Leu Gly Asn Glu Pro Asp Lys
245 250 255

Tyr Pro Cys Asn Gly Gln Val Ile Pro Thr Phe Cys Asp Thr Ser Phe
260 265 270

Thr Ser Phe Arg Pro Glu Trp Gln Ser Val Tyr Pro Phe Ile Val Pro
275 280 285

Tyr Gly Pro Pro Leu Pro Ser Leu Asn Tyr His Leu Asn Ile Gln Arg
290 295 300

Phe Ser Gly Pro Pro Asn Pro Pro Ser Asn Ile Phe Gln Ala Gln Asp
305 310 315 320

Asp Ser Gln Ile Gln Asn Gly Tyr Tyr Val Asn Asn Cys His Val Asn
325 330 335

Trp Asn Cys Met Thr Phe Asp Gln Asn Asn Glu Tyr Thr Asp Cys Ser
340 345 350

Glu Asn Arg Ser Ser Val His Pro Ser Gly Asn Gly Cys Ser Met Gln
355 360 365

Asp Arg Tyr Val Ser Asn Gly Phe Cys Glu Val Arg Glu Arg Cys Trp
370 375 380

Lys Asp His Cys Met Asp Lys His Asn Gly Thr Asp Arg Phe Val Asn
385 390 395 400

Gln Gln Phe Gln Glu Glu Lys Leu Asn Lys Leu Gln Lys Leu Leu Ile
405 410 415

Leu Leu Arg Gly Leu Pro Gly Ser Gly Lys Thr Thr Leu Xaa Arg Ile
420 425 430

Leu Leu Gly Gln Asn Arg Asp Gly Ile Val Phe Ser Thr Asp Asp Tyr
435 440 445

Phe His His Gln Asp Gly Tyr Arg Tyr Asn Val Asn Gln Leu Gly Asp
450 455 460

Ala His Asp Trp Asn Gln Asn Arg Ala Lys Gln Ala Ile Asp Gln Gly
465 470 475 480

Arg Ser Pro Val Ile Ile Asp Asn Thr Asn Ile Gln Ala Trp Glu Met
485 490 495

Lys Pro Tyr Val Glu Val Ala Ile Gly Lys Gly Tyr Arg Val Glu Phe
500 505 510

His Glu Pro Glu Thr Trp Trp Lys Phe Asp Pro Glu Glu Leu Glu Lys
515 520 525

Arg Asn Lys His Gly Val Ser Arg Lys Lys Ile Ala Gln Met Leu Asp
530 535 540

Arg Tyr Glu Tyr Gln Met Ser Ile Ser Ile Val Met Asn Ser Val Glu
545 550 555 560

Pro Ser His Lys Ser Thr Gln Arg Pro Pro Pro Pro Gln Gly Arg Gln
565 570 575

Arg Trp Gly Gly Ser Leu Gly Ser His Asn Arg Val Cys Val Thr Asn
580 585 590

Asn His

<210> 1080

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1080

Leu	His	Ile	Lys	Ile	Leu	Gln	Ile	Glu	Lys	Tyr	Ile	Lys	Tyr	Ala	Met
1				5					10					15	

Gly	Leu	Thr	Phe	Tyr	Gln	Asn	Ser	His	Met	Ile	Ser	Phe	Ile	Ser	Ser
			20					25					30		

Gly	Ser	Phe	Arg	Val	Pro	Ile	Ala	Leu	Pro	Ile	Phe	Thr	Tyr	Phe	Ile
		35					40					45			

Asn	Leu	His	Xaa	Gly	Ile	Xaa	Ser	Leu	Phe	Xaa	Phe	Phe
	50					55					60	

<210> 1081

<211> 302

<212> PRT

<213> Homo sapiens

<400> 1081

Ala	Pro	Pro	Ala	Leu	Leu	Glu	Ala	Glu	Val	Cys	Leu	Leu	Arg	Val	Gly
1				5					10					15	

Pro	Glu	Ala	Trp	Ser	Phe	Ser	Ala	Ser	Leu	Thr	Pro	Val	Ala	Leu	Gly
			20					25					30		

Ser	Ala	Leu	Ala	Tyr	Arg	Ser	His	Gly	Val	Leu	Asp	Pro	Arg	Leu	Leu
		35					40					45			

Val	Gly	Cys	Ala	Val	Ala	Val	Leu	Ala	Val	His	Gly	Ala	Gly	Asn	Leu
	50					55					60				

Val	Asn	Thr	Tyr	Tyr	Asp	Phe	Ser	Lys	Gly	Ile	Asp	His	Lys	Lys	Ser
65					70					75					80

Asp	Asp	Arg	Thr	Leu	Val	Asp	Arg	Ile	Leu	Glu	Pro	Gln	Asp	Val	Val
				85					90					95	

Arg	Phe	Gly	Val	Phe	Leu	Tyr	Thr	Leu	Gly	Cys	Val	Cys	Ala	Ala	Cys
			100					105						110	

Leu Tyr Tyr Leu Ser Pro Leu Lys Leu Glu His Leu Ala Leu Ile Tyr
115 120 125

Phe Gly Gly Leu Ser Gly Ser Phe Leu Tyr Thr Gly Gly Ile Gly Phe
130 135 140

Lys Tyr Val Ala Leu Gly Asp Leu Ile Ile Leu Ile Thr Phe Gly Pro
145 150 155 160

Leu Ala Val Met Phe Ala Tyr Ala Ile Gln Val Gly Ser Leu Ala Ile
165 170 175

Phe Pro Leu Val Tyr Ala Ile Pro Leu Ala Leu Ser Thr Glu Ala Ile
180 185 190

Leu His Ser Asn Asn Thr Arg Asp Met Glu Ser Asp Arg Glu Ala Gly
195 200 205

Ile Val Thr Leu Ala Ile Leu Ile Gly Pro Thr Phe Ser Tyr Ile Leu
210 215 220

Tyr Asn Thr Leu Leu Phe Leu Pro Tyr Leu Val Phe Ser Ile Leu Ala
225 230 235 240

Thr His Cys Thr Ile Ser Leu Ala Leu Pro Leu Leu Thr Ile Pro Met
245 250 255

Ala Phe Ser Leu Glu Arg Gln Phe Arg Ser Gln Ala Phe Asn Lys Leu
260 265 270

Pro Gln Arg Thr Ala Lys Leu Asn Leu Leu Leu Gly Leu Phe Tyr Val
275 280 285

Phe Gly Ile Ile Leu Ala Pro Ala Gly Ser Leu Pro Lys Ile
290 295 300

<210> 1082

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1082

Gln	Asp	Val	Ser	Glu	Met	Asp	Val	Xaa	Phe	Leu	Leu	Ile	Gln	Leu	Ser
1				5				10					15		

Cys	Tyr	Phe	Ser	Ser	Gly	Ser	Cys	Gly	Lys	Val	Leu	Val	Trp	Pro	Thr
			20					25					30		

Glu	Tyr	Ser	His	Trp	Ile	Asn	Met	Lys	Thr	Ile	Leu	Glu	Glu	Leu	Val
			35				40					45			

Gln	Arg	Gly	His	Glu	Val	Thr	Val	Val	Xaa	Ile	Xaa	Gly	Phe	Tyr	Ser
			50				55				60				

Cys	Gln	Cys	Gln
65			

<210> 1083

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1083

Xaa	Pro	Pro	Gly	Gly	Gly	Arg	Ser	Arg	Thr	Ser	Gly	Ser	Pro	Gly	Leu
1				5					10				15		

Gln	Val	Arg	Ala	Ile	Arg	Leu	Ala	Leu	Glu	Gly	Val	Asp	Val	Lys	Leu
			20					25				30			

Glu	Gln	Ala	Ala	Arg	Thr	Leu	Gly	Ala	Gly	Arg	Trp	Arg	Val	Phe	Phe
			35				40				45				

Thr	Ile	Thr	Leu	Pro	Leu	Thr	Leu	Pro	Gly	Ile	Ile	Val	Gly	Thr	Val
			50				55				60				

Leu	Ala	Phe	Ala	Arg	Ser	Leu	Gly	Glu	Phe	Gly	Ala	His	His	Leu	Cys
65						70				75				80	

Val Glu His Ser Trp
85

<210> 1084

<211> 166

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (159)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (163)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1084

Pro Pro Ser Ala Ser Ser Val Ala Gly Asp Leu Gly Arg Gly Thr Arg
1 5 10 15

Thr Glu Val Glu Ala Arg Ala Ala Arg Pro Gly Ala Glu Ser Ala Pro
20 25 30

Ala Ala Ala Met Pro Asp Ser Trp Asp Lys Asp Val Tyr Pro Glu Pro
35 40 45

Pro Arg Arg Thr Pro Val Gln Pro Asn Pro Ile Val Tyr Met Met Lys
 50 55 60

Ala Phe Asp Leu Ile Val Asp Arg Pro Val Thr Leu Val Arg Glu Phe
 65 70 75 80

Ile Glu Arg Gln His Ala Lys Asn Arg Tyr Tyr Tyr Tyr His Arg Gln
 85 90 95

Tyr Arg Arg Val Pro Asp Ile Thr Glu Cys Lys Glu Glu Asp Ile Met
 100 105 110

Cys Ile Lys Xaa Asp Gln Glu Ile Ile Thr Leu Cys Arg Ile Gly Ser
 115 120 125

Lys Xaa Xaa Ser Arg Gly Lys Asp Arg Leu Pro Ala Asp Cys Ile Lys
 130 135 140

Glu Xaa Glu Gln Leu Pro Arg Trp Pro Arg Leu Pro Gly Thr Xaa Ile
 145 150 155 160

Arg Thr Xaa Gly Pro Thr
 165

<210> 1085

<211> 392

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (386)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1085

Met Glu Leu Val Ala Gly Cys Tyr Glu Gln Val Leu Phe Gly Phe Ala
 1 5 10 15

Val His Pro Glu Pro Glu Ala Cys Gly Asp His Glu Gln Trp Thr Leu
 20 25 30

Val Ala Asp Phe Thr His His Ala His Thr Ala Ser Leu Ser Ala Val
 35 40 45

Ala Val Asn Ser Arg Phe Val Val Thr Gly Ser Lys Asp Glu Thr Ile
 50 55 60

His Ile Tyr Asp Met Lys Lys Lys Ile Glu His Gly Ala Leu Val His
 65 70 75 80

His Ser Gly Thr Ile Thr Cys Leu Lys Phe Tyr Gly Asn Arg His Leu
85 90 95

Ile Ser Gly Ala Glu Asp Gly Leu Ile Cys Ile Trp Asp Ala Lys Lys
100 105 110

Trp Glu Cys Leu Lys Ser Ile Lys Ala His Lys Gly Gln Val Thr Phe
115 120 125

Leu Ser Ile His Pro Ser Gly Lys Leu Ala Leu Ser Val Gly Thr Asp
130 135 140

Lys Thr Leu Arg Thr Trp Asn Leu Val Glu Gly Arg Ser Ala Phe Ile
145 150 155 160

Lys Asn Ile Lys Gln Asn Ala His Ile Val Glu Trp Ser Pro Arg Gly
165 170 175

Glu Gln Tyr Val Val Ile Ile Gln Asn Lys Ile Asp Ile Tyr Gln Leu
180 185 190

Asp Thr Ala Ser Ile Ser Gly Thr Ile Thr Asn Glu Lys Arg Ile Ser
195 200 205

Ser Val Lys Phe Leu Ser Glu Ser Val Leu Ala Val Ala Gly Asp Glu
210 215 220

Glu Val Ile Arg Phe Phe Asp Cys Asp Ser Leu Val Cys Leu Cys Glu
225 230 235 240

Phe Lys Ala His Glu Asn Arg Val Lys Asp Met Phe Ser Phe Glu Ile
245 250 255

Pro Glu His His Val Ile Val Ser Ala Ser Ser Asp Gly Phe Ile Lys
260 265 270

Met Trp Lys Leu Lys Gln Asp Lys Lys Val Pro Pro Ser Leu Leu Cys
275 280 285

Glu Ile Asn Thr Asn Ala Arg Leu Thr Cys Leu Gly Val Trp Leu Asp
290 295 300

Lys Val Ala Asp Met Lys Glu Ser Leu Pro Pro Ala Ala Glu Pro Ser
305 310 315 320

Pro Val Ser Lys Glu Gln Ser Lys Ile Gly Lys Lys Glu Pro Gly Asp
325 330 335

Thr Val His Lys Glu Glu Lys Arg Ser Lys Pro Asn Thr Lys Lys Arg
340 345 350

Gly Leu Thr Gly Asp Ser Lys Lys Ala Thr Lys Glu Ser Gly Leu Ile
 355 360 365

Ser Thr Lys Lys Arg Lys Met Val Glu Met Leu Glu Lys Lys Arg Lys
 370 375 380

Lys Xaa Lys Ile Lys Thr Met Gln
 385 390

<210> 1086

<211> 238

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1086

Ala Gly Thr Met His Gly Arg Leu Lys Val Lys Thr Ser Glu Glu Gln
 1 5 10 15

Ala Glu Ala Lys Arg Leu Glu Arg Glu Gln Lys Leu Lys Leu Tyr Gln
 20 25 30

Ser Ala Thr Gln Ala Val Phe Gln Lys Arg Gln Ala Gly Glu Leu Asp
 35 40 45

Glu Ser Val Leu Glu Leu Thr Ser Gln Ile Leu Gly Ala Asn Pro Asp
 50 55 60

Phe Ala Thr Leu Trp Asn Cys Arg Arg Glu Val Leu Gln Gln Leu Glu
 65 70 75 80

Thr Gln Lys Ser Pro Glu Glu Leu Ala Ala Leu Val Lys Ala Glu Leu
 85 90 95

Gly Phe Leu Glu Ser Cys Leu Arg Val Asn Pro Lys Ser Tyr Gly Thr
 100 105 110

Trp His His Arg Cys Trp Leu Leu Gly Xaa Leu Pro Glu Pro Asn Trp
 115 120 125

Thr Arg Glu Leu Glu Leu Cys Ala Arg Phe Leu Glu Val Asp Glu Arg
 130 135 140

Asn Phe His Cys Trp Asp Tyr Arg Arg Phe Val Ala Thr Gln Ala Ala

Val	Pro	Pro	Ala	Glu	Glu	Leu	Ala	Phe	Thr	Asp	Ser	Leu	Ile	Thr	Arg
				165			170			175					
Asn	Phe	Ser	Asn	Tyr	Ser	Ser	Trp	His	Tyr	Arg	Ser	Cys	Leu	Leu	Pro
				180			185			190					
Gln	Leu	His	Pro	Gln	Pro	Asp	Ser	Gly	Pro	Gln	Gly	Arg	Leu	Pro	Glu
				195			200			205					
Asp	Val	Leu	Leu	Lys	Glu	Leu	Glu	Leu	Val	Gln	Asn	Ala	Ser	Ser	Leu
				210			215			220					
Thr	Pro	Met	Thr	Arg	Val	Pro	Gly	Phe	Ile	Thr	Val	Gly	Ser		
				225			230			235					

<210> 1087

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1087

Leu Pro Ile Gln Ile Ser Leu Glu Leu Asp Arg Cys Phe Arg Gly Ala
1 5 10 15

Ala Leu Glu Arg Gly Phe Gly Leu Cys Lys Gly Arg Lys Glu Val Gln
20 25 30

Lys Asn Gly Val Gly Gly Ser Ala Gly Arg Leu Leu Lys Cys Gly Arg
35 40 45

Trp Lys Leu Gly Gly Glu Ile Lys Gly Thr Xaa Asp Gln Leu Val Cys
50 55 60

Ser Tyr Gln Gly Asp Pro Phe Gln Ser Lys Ser His Met Xaa Val
65 70 75

<210> 1088

<211> 257

<212> PRT

<213> Homo sapiens

<400> 1088

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Ile Pro Val His Leu Val Ser Ser Ser Ser Asn Leu Glu Arg Phe Thr
  1              5              10              15

Ser Arg Arg Ala Pro Gly Val Gly Leu Tyr Asn Leu Lys Thr Leu Leu
      20              25              30

Phe Phe Ser Ser Val Gln Trp Val Leu Ile Pro Thr Met Ala Ile Thr
      35              40              45

Gln Phe Arg Leu Phe Lys Phe Cys Thr Cys Leu Ala Thr Val Phe Ser
      50              55              60

Phe Leu Lys Arg Leu Ile Cys Arg Ser Gly Arg Gly Arg Lys Leu Ser
      65              70              75              80

Gly Asp Gln Ile Thr Leu Pro Thr Thr Val Asp Tyr Ser Ser Val Pro
      85              90              95

Lys Gln Thr Asp Val Glu Glu Trp Thr Ser Trp Asp Glu Asp Ala Pro
      100             105             110

Thr Ser Val Lys Ile Glu Gly Gly Asn Gly Asn Val Ala Thr Gln Gln
      115             120             125

Asn Ser Leu Glu Gln Leu Glu Pro Asp Tyr Phe Lys Asp Met Thr Pro
      130             135             140

Thr Ile Arg Lys Thr Gln Lys Ile Val Ile Lys Lys Arg Glu Pro Leu
      145             150             155             160

Asn Phe Gly Ile Pro Asp Gly Ser Thr Gly Phe Ser Ser Arg Leu Ala
      165             170             175

Ala Thr Gln Asp Leu Pro Phe Ile His Gln Ser Ser Glu Leu Gly Asp
      180             185             190

Leu Asp Thr Trp Gln Glu Asn Thr Asn Ala Trp Glu Glu Glu Glu Asp
      195             200             205

Ala Ala Trp Gln Ala Glu Glu Val Leu Arg Gln Gln Lys Leu Ala Asp
      210             215             220

Arg Glu Lys Arg Ala Ala Glu Gln Gln Arg Lys Lys Met Glu Lys Glu
      225             230             235             240

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Ala Gln Arg Leu Met Lys Lys Glu Gln Asn Lys Ile Gly Val Lys Leu
245 250 255

Ser

<210> 1089

<211> 44

<212> PRT

<213> Homo sapiens

<400> 1089

Asn Ser Ala Arg Ala Asp Leu Arg Ala Ile Asn Ala Asn Leu Asn Glu
1 5 10 15

Lys Met Glu Ser Leu Thr Ala Val Ser Val Ser Ser Ile Ser Leu Ser
20 25 30

Asn Ser Cys Pro Ser Leu Thr Val Leu Val Ser Val
35 40

<210> 1090

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1090

Gly Arg Pro Ala Cys Ala Arg Glu Pro Gly Leu Glu Pro Tyr Leu Gln
1 5 10 15

Val Pro Asn Leu Arg Leu Xaa Ser Leu Ser Leu Pro Gln Pro Arg Thr
20 25 30

Lys Thr Ser Pro Pro Glu Gly Leu Pro Gln Leu Arg Glu Arg Ser Arg
35 40 45

Ser Ser Leu Gly Pro Gly Cys Ala Pro Gly Ala Gly Ser Asp Val Val
 50 55 60

Ser Ser Pro Leu Arg Thr Gly Pro Ala Arg Ser Ser Trp Pro Pro Ser
 65 70 75 80

Arg Ala Pro Ser Xaa Pro Pro Ser Ser Thr Ala Thr Thr Cys Arg Trp
 85 90 95

<210> 1091

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1091

Lys Ala Lys Phe Asn Ile Thr Gly Ala Cys Leu Asn Asp Ser Asp Asp
 1 5 10 15

Asp Ser Pro Asp Leu Asp Leu Asp Gly Asn Glu Ser Xaa Leu Ala Leu
 20 25 30

Leu Met Ser Asn Gly Xaa Thr Lys Arg Val Lys Ser Leu Ser Lys Ser
 35 40 45

Arg Arg Thr Lys Ile Ala Lys Lys Val Asp Lys Ala Arg Leu Met Ala
 50 55 60

Glu Gln Val Met Glu Asp Glu Phe Asp Leu Xaa Ser Asp Xaa Glu Leu
 65 70 75 80
 Gln Ile Asp Glu Arg Leu Gly Lys Glu Lys Ala Thr Leu Ile Ile Arg
 85 90 95
 Pro Lys Phe Pro Arg Lys Leu Pro Arg Ala Asn Leu Ala Leu Thr Pro
 100 105 110
 Thr Glu Phe Val Asn Gln Glu Lys Leu Ser Leu Thr Leu Arg Arg Ile
 115 120 125
 Tyr Asn Arg
 130

<210> 1092
 <211> 158
 <212> PRT
 <213> Homo sapiens

<400> 1092
 Leu Arg Ile Thr Val Leu Leu Thr Ser Phe Leu Met Val Leu Gly Thr
 1 5 10 15
 Gly Leu Arg Cys Ile Pro Ile Ser Asp Leu Ile Leu Lys Arg Arg Leu
 20 25 30
 Ile His Gly Gly Gln Met Leu Asn Gly Leu Ala Gly Pro Thr Val Met
 35 40 45
 Asn Ala Ala Pro Phe Leu Ser Thr Thr Trp Phe Ser Ala Asp Glu Arg
 50 55 60
 Ala Thr Ala Thr Ala Ile Ala Ser Met Leu Ser Tyr Leu Gly Gly Ala
 65 70 75 80
 Cys Ala Phe Leu Val Gly Pro Leu Val Val Pro Ala Pro Asn Gly Thr
 85 90 95
 Ser Pro Leu Leu Ala Ala Glu Ser Ser Arg Ala His Ile Lys Asp Arg
 100 105 110
 Ile Glu Ala Val Leu Tyr Ala Glu Phe Gly Val Val Cys Leu Ile Phe
 115 120 125
 Ser Ala Thr Leu Ala Tyr Phe Pro Pro Arg Pro Pro Leu Pro Pro Ser
 130 135 140

Val Ala Ala Ala Ser Gln Arg Glu Leu Ser Glu Lys Arg Leu
 145 150 155

<210> 1093

<211> 235

<212> PRT

<213> Homo sapiens

<400> 1093

Arg Ala Ala Gln Leu Trp Val Trp Glu Gly Val Val Gln Pro Pro Ala
 1 5 10 15

Ala Trp Gly Gly Pro Trp Ser Ala Ser Arg Cys Gln Gln Gly Lys Gly
 20 25 30

Gly Val Leu Glu Asn Glu Gly Phe Ile Gly Leu Leu Arg Glu Ala Pro
 35 40 45

Gln Pro Gln Thr His His Leu Ala Val Asp Thr Cys Val Ser Met Trp
 50 55 60

Asp Leu Val Leu Ser Ile Ala Leu Ser Val Gly Cys Thr Gly Ala Val
 65 70 75 80

Pro Leu Ile Gln Ser Arg Ile Val Gly Gly Trp Glu Cys Glu Lys His
 85 90 95

Ser Gln Pro Trp Gln Val Ala Val Tyr Ser His Gly Trp Ala His Cys
 100 105 110

Gly Gly Val Leu Val His Pro Gln Trp Val Leu Thr Ala Ala His Cys
 115 120 125

Leu Lys Lys Asn Ser Gln Val Trp Leu Gly Arg His Asn Leu Phe Glu
 130 135 140

Pro Glu Asp Thr Gly Gln Arg Val Pro Val Ser His Ser Phe Pro His
 145 150 155 160

Pro Leu Tyr Asn Met Ser Leu Leu Lys His Gln Ser Leu Arg Pro Asp
 165 170 175

Glu Asp Ser Ser His Asp Leu Met Leu Leu Arg Leu Ser Glu Pro Ala
 180 185 190

Lys Ile Thr Asp Val Val Lys Val Leu Gly Leu Pro Pro Arg Ser Gln
 195 200 205

His Trp Gly Pro Pro Ala Thr Pro Gln Ala Gly Ala Ala Ser Asn Gln

210

215

220

Arg Ser Ser Cys Ala Pro Gly Val Phe Ser Val
 225 230 235

<210> 1094

<211> 128

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1094

Arg Arg Xaa Xaa Gly Arg Thr Asp Thr Ser Arg Ser Thr Ser Gly Glu
 1 5 10 15

Pro Lys Glu Arg Asp Lys Glu Glu Gly Lys Asp Ser Lys Pro Arg Ser
 20 25 30

Leu Arg Phe Thr Trp Ser Met Lys Thr Thr Ser Ser Met Asp Pro Asn
 35 40 45

Asp Met Met Arg Glu Ile Arg Lys Val Leu Asp Ala Asn Asn Cys Asp
 50 55 60

Tyr Glu Gln Lys Glu Arg Phe Leu Leu Phe Cys Val His Gly Asp Ala
 65 70 75 80

Arg Gln Asp Ser Leu Val Gln Trp Glu Met Glu Val Cys Lys Leu Pro
 85 90 95

Arg Leu Ser Leu Asn Gly Val Arg Phe Lys Arg Ile Ser Gly Thr Ser
 100 105 110

Ile Ala Phe Lys Asn Ile Ala Ser Lys Ile Ala Asn Glu Leu Lys Leu
 115 120 125

<210> 1095
 <211> 214
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (161)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (198)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (206)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1095

Ile	Leu	Phe	Ser	Ser	Leu	Leu	Thr	Cys	Asn	Phe	Cys	Leu	Pro	Ile	Pro	1	5	10	15
Pro	Ser	Pro	Leu	Ser	Phe	Pro	Glu	Arg	His	Leu	Gly	Ser	Tyr	Leu	Leu	20	25	30	
Asp	Ser	Glu	Asn	Thr	Ser	Gly	Ala	Leu	Pro	Arg	Leu	Pro	Gln	Thr	Pro	35	40	45	
Lys	Gln	Pro	Gln	Lys	Arg	Ser	Arg	Ala	Ala	Phe	Ser	His	Thr	Gln	Val	50	55	60	
Ile	Glu	Leu	Glu	Arg	Lys	Phe	Ser	His	Gln	Lys	Tyr	Leu	Ser	Ala	Pro	65	70	75	80
Glu	Arg	Ala	His	Leu	Ala	Lys	Asn	Leu	Lys	Leu	Thr	Glu	Thr	Gln	Val	85	90	95	
Lys	Ile	Trp	Phe	Gln	Asn	Arg	Arg	Tyr	Lys	Thr	Lys	Arg	Lys	Gln	Leu	100	105	110	
Ser	Ser	Glu	Leu	Gly	Asp	Leu	Glu	Lys	His	Ser	Ser	Leu	Pro	Ala	Leu	115	120	125	
Lys	Glu	Arg	Pro	Ser	Pro	Gly	Pro	Pro	Trp	Ser	Pro	Cys	Ile	Thr	Ala	130	135	140	
Ile	Leu	Thr	Thr	His	Thr	Cys	Thr	Ala	Trp	Ala	Val	Glu	Pro	Ser	Phe	145	150	155	160

Xaa Val Met Pro Ala Gln Val Thr Thr Ile Met Ile Lys Asn Cys Leu
165 170 175
Pro Gln Gly Val Ser Met Lys Ser Thr Arg Gly Gln Gly Gln Gly Ala
180 185 190
Arg Val Cys Thr Pro Xaa Leu Leu Glu Ile Cys Val Glu Xaa Ser Asp
195 200 205
Ser Ser Leu Val Arg Gln
210

<210> 1096
<211> 62
<212> PRT
<213> Homo sapiens

<400> 1096
Ile Arg His Glu Lys Lys Glu Arg Met Lys Glu Arg Lys Glu Lys Lys
1 5 10 15
Glu Arg Lys Glu Lys Gly Lys Lys Glu Arg Lys Glu Arg Lys Glu Arg
20 25 30
Lys Arg Glu Lys Glu Arg Arg Lys Arg Arg Lys Gly Ile Pro Gly Ile
35 40 45
Tyr His Cys Met Ser Lys Gly Arg Val Val Asp Arg His Ser
50 55 60

<210> 1097
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1097

Lys	Lys	His	Trp	Gly	Met	Leu	Gln	Asp	Ile	Gly	Leu	Gly	Lys	Asp	Phe
1				5					10					15	

Leu	Ser	Asn	Thr	Leu	Lys	Gly	Gln	Ala	Thr	Gln	Ala	Lys	Met	Xaa	Xaa
			20					25					30		

Trp	Xaa	Xaa	Xaa	Xaa	Leu	Lys	Asn	Phe	Tyr	Thr	Ala	Lys	Glu	Thr	Lys
	35						40					45			

<210> 1098

<211> 136

<212> PRT

<213> Homo sapiens

<220>

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<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1098

Asn	Ile	Pro	Leu	Asp	Ser	Glu	Thr	His	Asn	Tyr	Gln	Ile	Val	Asn	His
1				5					10					15	

Asp	Gln	Lys	Leu	Leu	Leu	Ile	Thr	Ser	Thr	Thr	Pro	Gln	Trp	Lys	Lys
			20					25					30		

Asn Arg Val Thr Val Tyr Glu Tyr Asp Thr Arg Glu Asp Gln Trp Ile
 35 40 45
 Asn Ile Gly Thr Met Leu Gly Leu Leu Gln Phe Asp Ser Gly Phe Ile
 50 55 60
 Cys Leu Cys Ala Arg Val Tyr Pro Ser Cys Leu Glu Pro Gly Gln Ser
 65 70 75 80
 Phe Ile Thr Glu Glu Asp Asp Ala Arg Ser Xaa Ser Ser Thr Glu Trp
 85 90 95
 Asp Leu Asp Gly Phe Ser Glu Leu Asp Ser Glu Ser Gly Ser Ser Ser
 100 105 110
 Ser Phe Ser Asp Asp Glu Val Trp Val Gln Val Ala Pro Gln Arg Asn
 115 120 125
 Ala Gln Asp Gln Gln Gly Ser Leu
 130 135

<210> 1099

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1099

Arg His Glu Arg Lys Val Lys Lys Arg Lys Lys Glu Arg Asn Lys Gln
 1 5 10 15

Thr Lys Gln Leu Ala Tyr Ile Tyr Leu Leu Asn Thr Gly Arg Ser Ile
 20 25 30

His Asn Leu Thr Leu
 35

<210> 1100

<211> 105

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1100

Phe Gly Thr Arg Asp Thr Arg Val Lys Glu Arg Gly His Ala Val Ser
 1 5 10 15

Glu Lys Leu Leu Leu Gly Trp Lys Gly Gln Leu His Lys Gly Cys Ser
 20 25 30

Cys Arg Gly Ser Pro Ala Ala Arg Cys Leu Leu Thr Val Pro Arg Leu
 35 40 45

Ser Pro Asp Thr Glu Gly Cys Lys Gly Ser Leu Phe Leu Leu Ser Gly
 50 55 60

Ile Gly Lys Leu Tyr His Leu Ser Leu Pro Thr Leu Thr Ser Ala Pro
 65 70 75 80

Ala Thr Leu Ser Leu Trp Leu Leu Leu Thr Phe Ser Pro Leu Ile Phe
 85 90 95

Ser Pro Asp Gln Val Leu Gly Xaa Ser
 100 105

<210> 1101

<211> 93

<212> PRT

<213> Homo sapiens

<400> 1101

Ser Gly Arg Thr Leu Val Leu Arg Leu Ala Tyr Val Ser Arg Thr Val
 1 5 10 15

Thr Thr Met Ala Pro Glu Val Leu Pro Lys Pro Arg Met Arg Gly Leu
 20 25 30

Leu Ala Arg Arg Leu Arg Asn His Met Ala Val Ala Phe Val Leu Ser
 35 40 45

Leu Gly Val Ala Ala Leu Tyr Lys Phe Arg Val Ala Asp Gln Arg Lys
 50 55 60

Lys Ala Tyr Ala Asp Phe Tyr Arg Asn Tyr Asp Val Met Lys Asp Phe
 65 70 75 80

Glu Glu Met Arg Lys Ala Gly Ile Phe Gln Ser Val Lys
 85 90

<210> 1102

<211> 26

<212> PRT

<213> Homo sapiens

<400> 1102

Phe Gly Thr Ser Ala Pro Pro Arg Pro Ala Asn Phe Cys Ile Phe Gly
1 5 10 15

Arg Asp Gly Val Ser Ser Arg Trp Leu Gly
20 25

<210> 1103

<211> 51

<212> PRT

<213> Homo sapiens

<400> 1103

Gly Ser Glu Ser Asn Arg Leu Lys Phe Lys Ser Ser Ser Ala Thr Trp
1 5 10 15

Leu Met Leu Ser Glu Pro Gln Arg Pro Gln Leu Leu Asn Arg Gly Asn
20 25 30

His Pro His Leu Ser Ser Phe Gly Arg Lys Leu Asn Glu Ile Tyr Trp
35 40 45

Gly Ser Arg
50

<210> 1104

<211> 47

<212> PRT

<213> Homo sapiens

<220>

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<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1104

Lys Arg Tyr Ser Val Leu Ile Leu Cys Lys Lys Xaa Lys Ser Ser Asn
1 5 10 15

Cys Phe Pro Met Xaa Lys Ile Thr Met Ser Cys Ile Met Leu Leu Ser
20 25 30

Phe Tyr Val Asn Ile Ser Tyr Xaa Ser Ser Ile Lys Xaa Ile Tyr
35 40 45

<210> 1105

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1105

Leu Leu Lys Leu Cys Asn Leu Gln Asn Ile Ala Ile Lys Leu His Thr
1 5 10 15

Met Phe Ser Ile Ile Leu Ile Asp Leu Pro Tyr Lys His Leu Asn Lys
20 25 30

Lys Tyr Tyr Leu Met Ile Lys Lys Lys Lys Lys Lys Lys Lys Lys
35 40 45

Lys Lys Lys Lys Lys Arg Gln Lys Lys Lys Lys Lys Lys Lys Lys
50 55 60

Xaa Gly Gly Gly Xaa Lys Lys Lys
65 70

<210> 1106

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1106

Gly	Leu	Ser	His	Ser	Asn	Ser	Ser	Tyr	Leu	Glu	Pro	Leu	Gly	Ser	Asp
1				5					10					15	

Val	Asp	Arg	Ala	Asn	Val	Lys	Phe	Thr	Glu	Asn	Thr	Cys	Val	Phe	Arg
			20					25					30		

Thr	Leu	Lys	Gly	Thr	Ile	Arg	Ala	Cys	Phe	Pro	Ser	Leu	Tyr	Met	His
		35					40					45			

Ile	Phe	Gly	Ile	Ser	Xaa	Gly	Leu	Xaa	Asp	Val	Val	Ile	Xaa	Asn	Thr
	50					55					60				

Ala	Arg	Met	Xaa	Ala	Val	Leu	Ile	His	Xaa	Gln	Lys	Arg	Gly	Gly	
65						70				75					

<210> 1107

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1107

Ile Ile Ala Ala Leu Ser Pro Ile Gln Ile Leu Pro Ser Asp Gly Lys
1 5 10 15

Asp Gln Phe Ser Cys Gly Asn Ser Val Ala Asp Gln Ala Phe Leu Asp
20 25 30

Ser Leu Ser Ala Ser Thr Ala Gln Xaa Ser Ser Ser Ala Ala Ser Asn
35 40 45

Asn His Gln Val Arg Leu Thr Ser Ser Phe Trp Met Trp Leu Ala Leu
50 55 60

Arg Lys Thr Glu Arg Ile Cys Xaa Arg Leu Val Met His Tyr Ser Tyr
65 70 75 80

Cys His Ser Pro Lys Ala Lys Thr Lys Ser Leu
85 90

<210> 1108

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1108

Glu	Val	Ile	Lys	Val	Met	Asn	Thr	Cys	Gln	Cys	Ser	Gly	Phe	Thr	Pro
1				5					10					15	

Val	Leu	Gln	His	Phe	Gly	Glu	Ala	Lys	Ala	Gly	Arg	Ser	Phe	Glu	Pro
			20					25						30	

Gln	Asp	Xaa	Gly	Thr	Thr	Xaa	Gly	Asn	Ile	Val	Arg	Pro	Xaa	Val
		35					40					45		

<210> 1109

<211> 78

<212> PRT

<213> Homo sapiens

<220>

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<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1109

Trp Asn His Leu His Asp Leu Arg Val Ser Arg Asp Leu Leu Ser Arg
1 5 10 15

Ile Leu Lys Glu His Tyr Lys Phe Arg Glu Lys Ile Asn Ile Leu Ile
20 25 30

Ile Leu Lys Leu Arg Asn Phe Ser Ser Leu Arg Gly His Lys Val Phe
35 40 45

Val Val Tyr Thr Ser Asn Lys Ser Ser Ile Phe Xaa Asn Xaa Trp Xaa
50 55 60

Glu Xaa Xaa Trp Tyr Val Lys Lys Arg Pro Xaa Pro Xaa Gly
65 70 75

<210> 1110

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1110

Thr Trp Ser Leu His Lys Ile Gln Lys Leu Arg Trp Ala Trp Trp Cys
1 5 10 15

Val Pro Ile Val Pro Leu Leu Val Gly Leu Arg Gln Glu Xaa His Leu
20 25 30

Ser Pro Gly Gly Arg Gly Tyr Ser Xaa Pro Arg Val His Tyr Cys Thr
35 40 45

Pro Ala Arg Ala Arg Glu Arg Asp Pro Val Ser Ile Asn Lys
50 55 60

<210> 1111
<211> 44
<212> PRT
<213> Homo sapiens

<400> 1111
Phe Met Asn Leu Phe Pro Gly Lys Pro Tyr Asp Ser Thr Val Lys Gly
1 5 10 15
Val Arg Ile Val Lys Met Val Phe Ser Asp Gln Val Cys Ala His Ala
20 25 30
Trp Pro Trp Ile Asp Ser Glu Met Arg Phe Phe Val
35 40

<210> 1112
<211> 263
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1112
Gly Arg Ala Ile Met Ala Ala Ser Arg Leu Glu Leu Asn Leu Val Arg
1 5 10 15
Leu Leu Xaa Arg Cys Glu Ala Met Ala Ala Glu Lys Arg Asp Pro Asp
20 25 30
Glu Trp Arg Leu Glu Lys Tyr Val Gly Ala Leu Glu Asp Met Leu Gln
35 40 45
Ala Leu Lys Val His Ala Ser Lys Pro Ala Ser Glu Val Ile Asn Glu
50 55 60
Tyr Ser Trp Lys Val Asp Phe Leu Lys Gly Met Leu Gln Ala Glu Lys
65 70 75 80
Leu Thr Ser Ser Ser Glu Lys Ala Leu Ala Asn Gln Phe Leu Ala Pro
85 90 95
Gly Arg Val Pro Thr Thr Ala Arg Glu Arg Val Pro Ala Thr Lys Thr
100 105 110
Val His Leu Gln Ser Arg Ala Arg Tyr Thr Ser Glu Met Arg Ser Glu
115 120 125

Leu Leu Gly Thr Asp Ser Ala Glu Pro Glu Met Asp Val Arg Lys Arg
130 135 140

Thr Gly Val Ala Gly Ser Gln Pro Val Ser Glu Lys Gln Ser Ala Ala
145 150 155 160

Glu Leu Asp Leu Val Leu Gln Arg His Gln Asn Leu Gln Glu Lys Leu
165 170 175

Ala Glu Glu Met Leu Gly Leu Ala Arg Ser Leu Lys Thr Asn Thr Leu
180 185 190

Ala Ala Gln Ser Val Ile Lys Lys Asp Asn Gln Thr Leu Ser His Ser
195 200 205

Leu Lys Met Ala Asp Gln Asn Leu Glu Lys Leu Lys Thr Glu Ser Glu
210 215 220

Arg Leu Glu Gln His Thr Gln Lys Ser Val Asn Trp Leu Leu Trp Ala
225 230 235 240

Met Leu Ile Ile Val Cys Phe Ile Phe Ile Ser Met Ile Leu Phe Ile
245 250 255

Arg Ile Met Pro Lys Leu Lys
260

<210> 1113

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1113

Xaa	Ala	Xaa	Xaa	Xaa	Trp	Pro	Pro	Pro	Lys	Gly	Asn	Lys	Ser	Trp	Ser
1				5					10					15	

Ser	Thr	Ala	Val	Ala	Ala	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys
			20					25						30	

Arg	Gln	Lys	Gly	Xaa	Phe	Lys	Ile
		35					40

<210> 1114

<211> 125

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1114

Arg	Lys	Arg	Leu	Ala	Phe	Trp	Thr	Thr	Gly	Ile	Arg	Asp	Trp	Leu	Thr
1				5					10					15	

Trp	Arg	Thr	His	Ser	Val	Cys	Ala	Glu	Xaa	Arg	Ala	Leu	Thr	Ser	Ala
			20					25					30		

Glu	Ala	Glu	Val	Gly	Ala	Cys	Pro	Arg	Gly	Leu	Thr	Arg	Phe	Ala	Ser
		35					40					45			

Arg	Pro	Gln	Pro	Leu	His	Leu	Leu	Lys	Ala	Gln	Glu	Met	Ile	Arg	Leu
	50					55					60				

Lys	His	Pro	Pro	Ile	Leu	Leu	Phe	Cys	Leu	Gly	Trp	Lys	Thr	Trp	Pro
65					70					75					80

Arg	Ser	Trp	Arg	Pro	Leu	Leu	His	Leu	Pro	Asp	Ser	Gln	Glu	Ser	Ser
				85					90					95	

Asp	Gln	Ser	Cys	Arg	Thr	Leu	Leu	Leu	Pro	Leu	Ala	Leu	Leu	Pro	Phe
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

	100		105		110							
Ser	Ser	Ser	Trp	Gly	Pro	Ser	Leu	Val	Pro	His	Ser	Leu
	115				120						125	

<210> 1115

<211> 109

<212> PRT

<213> Homo sapiens

<400> 1115

Ile	Asp	Lys	Arg	Val	Pro	Cys	Asn	Gln	Leu	Lys	Ser	Val	Leu	Cys	Val
1				5					10				15		

Cys	Phe	Val	Ser	Gly	Ala	Glu	Tyr	Asp	Asn	Leu	Pro	Thr	Val	Pro	Leu
		20						25					30		

Phe	Glu	Val	Gly	Leu	Ala	Leu	Glu	Ser	Tyr	Cys	Lys	Cys	Leu	Ala	Cys
		35					40						45		

Met	Ile	Val	Pro	Gly	His	Pro	Thr	Leu	Glu	Phe	Ala	Pro	Ser	Cys	Phe
	50					55						60			

Ser	Glu	Asp	Ala	Val	Asn	Arg	Phe	Arg	Phe	Tyr	Cys	Leu	Trp	Ile	Trp
65					70					75				80	

Gly	Val	Thr	Val	Ala	Leu	Phe	Thr	Phe	Leu	Ile	Lys	Ile	His	Met	Lys
				85					90					95	

Thr	Arg	Lys	Lys	Trp	Leu	Phe	Leu	Pro	Arg	Leu	Cys	Thr
		100						105				

<210> 1116

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1116

Gln Xaa Glu Leu Xaa Leu Lys Lys Lys Lys Lys Ile Ile Cys Lys Ile
1 5 10 15

Asn Ser Gly Ile Val Val Leu Phe Lys Glu Met Phe Cys Lys Leu Ser
20 25 30

Ser His Tyr Ile Ile Phe Ile Val Leu Ser
35 40

<210> 1117

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1117

Lys Xaa Ala Thr Pro Arg Pro Pro Gly Glu Thr Arg Pro Arg Met Pro
1 5 10 15

Arg Leu Phe Leu Phe His Leu Leu Glu Phe Cys Leu Leu Asn Gln
20 25 30

Phe Ser Arg Ala Val Ala Ala Lys Trp Lys Asp Asp Val Ile Lys Leu
35 40 45

Cys Gly Arg Glu Leu Val Arg Ala Gln Ile Ala Ile Leu Gly
50 55 60

<210> 1118

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1118

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Pro Ser Val Glu Trp Glu Gln Gly His Ser Glu Arg Ala Glu Ser Pro
  1             5             10             15

His Pro Pro Thr Leu Gln Gln Ala Ala Ala Gly Arg Leu Val Asn Cys
      20             25             30

Arg Ala Gly Thr Gln Gln Gln Ala Ala Gly Thr Pro Xaa Leu Leu Gln
      35             40             45

Leu Met Ala Val Cys Leu Ser Gln Asp Leu Glu Lys Thr Arg Leu Val
      50             55             60

Tyr Glu Arg Ile Thr Ile Gly Thr Leu Phe Met Ser Phe Met Asn Xaa
      65             70             75             80

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<210> 1119

<211> 73

<212> PRT

<213> Homo sapiens

<400> 1119

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Thr Gln Gln Ser Val Pro Val Ile Val His Pro Gly Val Ala Leu Leu
  1             5             10             15

Ile Pro Ser Gly Met Tyr Leu Pro Ser Glu Leu His Phe Phe Lys Met
      20             25             30

Leu Trp Val Val Gly Trp Glu Thr Ile Leu Gln Pro Ser Ser Asp Leu
      35             40             45

Ile Asn Ser Leu Arg Asp Cys Lys Ala Glu Ser Thr Ser Gly His Ser
      50             55             60

Trp Glu Thr Asp Pro Leu Val Met Lys
      65             70

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<210> 1120

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (53)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (57)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (58)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1120
 Thr Ser Ser Ser Tyr Ser Asp Lys Gln Asp Thr Pro Pro His Pro Thr
 1 5 10 15

Cys Ser Ile Ser Leu Ser Pro Leu Pro Gln Thr His Leu His Cys Ser
 20 25 30

Ser Cys Arg Gly Ser Arg Lys Xaa Ile Leu Lys Ile Thr Arg Val Gly
 35 40 45

Xaa Gly Ala Val Xaa Ser Gly Cys Xaa Xaa Gln His Phe Gly Xaa Gly
 50 55 60

Pro Gly Lys Ala Val His Phe Gly Val Lys Gly Phe Leu
 65 70 75

<210> 1121
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1121

Pro Xaa Leu Tyr Tyr Val Lys Leu Pro Ile Lys Tyr Phe Tyr Asp Tyr
1 5 10 15

Arg Phe Cys Ile Phe Val Tyr Asn Tyr Leu Lys Ser Phe Met Leu Tyr
20 25 30

Leu Glu Phe Gln Pro Arg Asn His Thr Val Leu Lys Phe Ser Trp Gly
35 40 45

Leu Leu Leu Ser Leu Asn His Leu Leu Asn Ile Tyr Leu Pro Lys Gly
50 55 60

Asp Phe
65

<210> 1122

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1122

Ser Gln His Phe Gly Asn Ala Glu Val Ser Gly Ser Pro Glu Val Arg
1 5 10 15

Ser Ser Arg Pro Ala Trp Ala Asn Met Val Lys Pro His Phe Leu Leu
20 25 30

Lys Lys Lys Lys Leu Gly Gly Gly Xaa
35 40

<210> 1123

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1123

Lys Lys Lys Lys Gly Cys Thr Lys Ile Ser Phe Xaa Gln Arg Leu Xaa
1 5 10 15

Lys Arg Lys Lys Lys Arg Asn Thr Cys Val Leu Lys Thr Ile Cys Ile
20 25 30

Phe Ser Phe Leu Asp His Thr Val Ala Asn Tyr Cys Tyr
35 40 45

<210> 1124

<211> 227

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1124

Arg Leu Pro Arg Asn Ile Thr Pro Glu Trp Leu Gln Pro Arg Arg Pro
1 5 10 15

Gly Val Pro Cys Phe Trp Ile Gln Phe Ser Xaa Val His Gly Phe Pro
20 25 30

Lys Glu Trp Ser Cys Xaa Phe Phe Gly Ile Val Asn Ile Leu Leu Lys
35 40 45

Tyr Gly Ala Gln Ile Asn Glu Leu His Leu Ala Tyr Cys Leu Lys Tyr
50 55 60

Glu Lys Phe Ser Ile Phe Arg Tyr Phe Leu Arg Lys Gly Cys Ser Leu

[illegible]

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<210> 1125
<211> 74
<212> PRT
<213> Homo sapiens
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<400> 1125

Asn	Val	Ala	Cys	Asn	Thr	Val	Leu	Pro	Ala	Lys	Phe	Ser	Thr	Phe	Cys
1				5					10					15	
Asn	Leu	Phe	Tyr	Phe	Phe	Gly	Cys	Lys	Ala	Phe	Leu	Leu	Ser	Ile	Val
			20					25					30		
Ile	Leu	Tyr	Met	Phe	Cys	Pro	Ser	Cys	Ile	Val	Met	Phe	Gln	Ser	Ile
		35					40					45			
Ile	Gln	Leu	Trp	Leu	Leu	Lys	Ser	Tyr	Ser	Cys	Glu	Asp	Leu	Pro	Leu
	50					55					60				

Phe Leu Leu Asp Cys Phe Ser Val Leu Tyr
65 70

<210> 1126
<211> 44
<212> PRT
<213> Homo sapiens

<400> 1126
Ile Ser Ser Thr Pro Ser Leu Thr Gln Ile Leu Val Phe Ile Met Asp
1 5 10 15

Phe Phe Phe Lys Leu Val Tyr Leu Ile Leu Ser Phe His Phe Trp Gln
20 25 30

His Met Asp Asp Phe Ile Phe Asn Asn His Ile Ser
35 40

<210> 1127
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1127
Leu Ser Pro Phe Glu Ala Ser Thr Asp Trp Xaa Lys Gln Ile Xaa Lys
1 5 10 15

Trp Asp Val Thr Gly Leu Ile Ser Thr Asn Arg Leu Phe Thr Thr Pro
20 25 30

Ser Trp Xaa Pro Val Ser

35

<210> 1128

<211> 70

<212> PRT

<213> Homo sapiens

<400> 1128

Gly Thr Glu Cys Thr His Gly Lys Lys Pro Cys Phe Val Phe Cys Ser
1 5 10 15

Leu Phe Phe Leu Ser Pro Phe Leu Ser Phe Met Ala Gly Asp Met Ile
20 25 30

Tyr Cys Ser His Pro Ser Trp Gly Leu Ile His His Thr Arg Val Ala
35 40 45

Arg Arg Leu Trp Gln Gln Leu Phe Ala Leu Asn Gln Thr Glu Lys Leu
50 55 60

Ser Ile Ile Lys Gly Arg
65 70

<210> 1129

<211> 50

<212> PRT

<213> Homo sapiens

<400> 1129

His Leu Pro Leu Ser Glu Thr His Ser Pro Ile Leu Asn Ala Tyr Ala
1 5 10 15

Val Gly Tyr His Leu Pro Leu Glu Val Leu Glu Ala Ile Ser Cys Arg
20 25 30

Ser Arg Val Ala Met Gly Leu Asn Tyr Tyr Tyr Pro Pro Lys Met Leu
35 40 45

Cys Leu
50

<210> 1130

<211> 76

<212> PRT

<213> Homo sapiens

<400> 1130

Phe Val Lys Gly Val Asn Cys Leu Ile Tyr Leu Thr Arg Phe Phe Lys
 1 5 10 15

Gln Ile Leu Ile Gly His Ala Leu His Ala Arg Leu Trp Ala Trp Tyr
 20 25 30

Leu Arg Val Leu Thr Gly Glu Ala Gly Ser Gly Asn Lys His Met Cys
 35 40 45

Asn Cys Cys Val Asp Ser Leu Ile Gly Arg Lys Ser Ala Asn Lys Glu
 50 55 60

Ala Asp Lys Leu Glu Asn Glu Arg Lys Val Met Cys
 65 70 75

<210> 1131

<211> 121

<212> PRT

<213> Homo sapiens

<400> 1131

Thr Pro Tyr Tyr Leu Arg Val Arg Arg Lys Asn Pro Val Thr Ser Thr
 1 5 10 15

Tyr Ser Lys Met Ser Leu Gln Leu Tyr Gln Val Asp Ser Arg Thr Tyr
 20 25 30

Leu Leu Asp Phe Arg Ser Ile Asp Asp Glu Ile Thr Glu Ala Lys Ser
 35 40 45

Gly Thr Ala Thr Pro Gln Arg Ser Gly Ser Val Ser Asn Tyr Arg Ser
 50 55 60

Cys Gln Arg Ser Asp Ser Asp Ala Glu Ala Gln Gly Lys Ser Ser Glu
 65 70 75 80

Val Ser Leu Thr Ser Ser Val Thr Ser Leu Asp Ser Ser Pro Val Asp
 85 90 95

Leu Thr Pro Arg Pro Gly Ser His Thr Ile Glu Phe Phe Glu Met Cys
 100 105 110

Ala Asn Leu Ile Lys Ile Leu Ala Gln
 115 120

<210> 1132
 <211> 63
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (60)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (61)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1132
 Lys Thr Arg Gly Lys Leu Asp Lys Glu Pro Arg Pro Thr Gly Val Cys
 1 5 10 15
 Cys Leu Gln Glu Thr His Leu Thr Cys Gly Gly Ile His Arg Leu Lys
 20 25 30
 Ile Lys Glu Trp Arg Lys Ile Phe Gln Ala Asn Gly Lys Gln Lys Lys
 35 40 45
 Ala Gly Val Ala Leu Leu Leu Ser Asp Lys Thr Xaa Xaa Ala Xaa
 50 55 60

<210> 1133
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1133
 Pro Ser Gln Val Ser Leu Asn His Pro Asp Asp Leu Pro Val Glu Arg
 1 5 10 15
 Ser Tyr Pro Ser Gln Val Tyr Phe Leu Met Arg Thr Gly His Ser Trp
 20 25 30

Asp Asp Leu Pro Ala Glu Arg Ser Asp Ile Phe Trp Val Xaa
35 40 45

<210> 1134

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1134

Asn Ser Ala Arg Glu Val Ile Tyr Met Ile His Ser Gln Glu Leu Leu
1 5 10 15

Asp Arg Lys Xaa Gln Gly Pro Gln Pro Leu Cys Pro Leu Tyr Pro Gln
20 25 30

Met Ala Leu Gly Ile Asn Ser Ser Gly Ile Ala Leu Lys Asn Ser Ala
35 40 45

Ser Cys Phe Ala Glu Cys His Gly His Val Ile Leu Arg Ser His Asn
50 55 60

Thr
65

<210> 1135

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1135

Ser Cys Val Arg Gly Asn Leu Glu Pro Tyr Ile Asn Thr Tyr Ile Ile
1 5 10 15

Lys Gly Lys Ile Leu Lys Val Asn Gly Xaa Lys Ala Ser Ile
20 25 30

<210> 1136
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1136
Pro Glu Ser Arg His Ile Leu Val Cys Thr Gln Leu Trp Ala Lys Xaa
1 5 10 15

Arg Trp Arg His Leu Ser Ser His Ala Glu Leu His Ser Arg Leu Arg
20 25 30

Thr Trp Val Gly Ser Ser Lys Val Ile Ala Lys Ala Pro Leu Ser Gly
35 40 45

Gly Tyr Thr
50

<210> 1137
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1137
Ser Arg Leu Ser Phe Gln Asp Leu Ala Pro Ala Leu Gly Met Val Gly
1 5 10 15

Gly Lys Ala Lys Asn Leu Gly Ser Xaa Xaa Pro Trp Ala Leu Lys Asn
20 25 30

Val Val Leu Phe Lys Glu Gln Gly Ser Xaa Gln Gly Cys Phe Trp Gly
35 40 45

<210> 1138

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1138

Lys Met Cys Leu Phe Gln Leu Ser Gln Xaa Gly Asn Val Thr Gly Ile
1 5 10 15

Arg Trp Val Lys Ala Arg Asp Ala Ala Arg His Ser Thr Val His Arg
20 25 30

Thr Thr Pro Thr Thr Lys Asn Tyr Leu Ala Gln Asn Val Asn Asn Ala
35 40 45

Glu Val Glu Lys Xaa
50

<210> 1139

<211> 86

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1139

Ile	Gly	Phe	Gly	His	Asp	Thr	Asp	Phe	Leu	Glu	Ala	Arg	Cys	Cys	Phe
1				5					10					15	

Xaa	Ser	Gly	Met	Gly	Val	His	Asp	Cys	Pro	Glu	Gln	Pro	Arg	Ser	Gln
			20					25					30		

Phe	Phe	Arg	Arg	Leu	Ser	Ala	Ile	Ser	Ala	Gln	Ala	Phe	Thr	Gly	Gln
		35					40					45			

Gly	Gln	Lys	Gln	Leu	Xaa	Gly	Val	Gly	Gly	Ala	Ser	Ser	Thr	Ala	Ala
	50					55					60				

Trp	Pro	Gln	Glu	Ile	Gly	Cys	Ser	Ser	Ser	Ser	Ala	Cys	Gly	Met	Val
65					70					75					80

Arg	Asn	Asn	Leu	Gly	Gly
				85	

<210> 1140

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1140

Ile	Lys	Lys	Tyr	Ile	Phe	His	Phe	Tyr	Phe	Ile	Xaa	Asn	His	Asn	Tyr
1				5					10					15	

Leu	Leu	Arg	Arg	Cys	Met	His	Leu	Leu	Asp	Thr	Val	Gln	Leu	Leu	Thr
			20					25					30		

Trp	Asn	Glu	Ile	Gly	His	Cys	Cys	Pro	His	Phe	Leu	Leu	His	Val	Gly
		35				40					45				

Val	His	Ile	Val	Leu	Asp	Phe	Leu	Ser	Asp	Gly	Leu	Glu	Asn	Pro	Val
	50					55					60				

Ser	Gln	Lys	Tyr	Glu	Ile	Ile	Arg	Arg	Ile	Ile	Val	Gln	Ser	Tyr	Val
65					70					75					80

Glu Arg Met Asn Tyr Leu Thr Ser Ser Ser Arg Asp Val
85 90

<210> 1141

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1141

Lys Ile Ile Ile Phe Ser Val Val His Asn Asn Val Leu Asn Ile Leu
1 5 10 15

Leu Ile Lys Gly Ala Met Ser Leu Cys Met Val Leu Asn Val Ser Cys
20 25 30

Val Pro Phe Ala Gln Leu Arg Ile Leu Gln Leu Gly Phe Asn Glu Trp
35 40 45

Gly His Gly Ile Ile Met Gly Xaa Cys Lys Lys Xaa Lys Arg Gly
50 55 60

<210> 1142

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1142

Phe Cys Val Glu Leu Ile Ser Gln Cys Arg Gly Lys Asn Ser Leu Gly
1 5 10 15

Ser Ser Leu Asp Ile Thr Val His Arg Ala Ser His Gln Asp Asp Pro
20 25 30

Thr Phe Tyr Gly Gly Pro Gly Ile Gly Ser Pro Glu Pro Ile Thr Gln
35 40 45

Xaa Pro Ser Asp Gly Trp Gly Xaa Trp
50 55

<210> 1143

<211> 203

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (171)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (174)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (184)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (190)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1143

Ala Leu Ala Leu Cys Gln Cys Gly Val Pro Ala Cys Ser His Val Pro
1 5 10 15

Met Trp Ser Ala Arg Leu Leu Met Cys Pro Cys Gly Val Pro Ala Cys
20 25 30

Ser His Met Xaa Met Arg Ser Ala Xaa Leu Leu Thr His Ala His Val
35 40 45

Glu Cys Pro Pro Ala His Thr Cys Pro Cys Gly Val Pro Ala Cys Ser
50 55 60

His Thr Cys Pro Cys Gly Val Pro Thr Cys Ser Cys Ala His Val Glu
65 70 75 80

Cys Pro Pro Ala His Met Cys Arg Cys Gly Val Pro Pro Ala His Thr
85 90 95

Arg Ala His Val Glu Cys Pro Pro Ala His Xaa Cys Arg Cys Gly Val
100 105 110

Pro Ala Cys Ser His Val Pro Met Arg Ser Ala Arg Leu Leu Thr Arg
115 120 125

Ala Asp Ala Glu Cys Pro Pro Ala His Thr Cys Pro Cys Gly Val Pro
130 135 140

Ala Cys Ser His Val Pro Thr Arg Ser Ala Arg Leu Leu Thr Arg Ala
145 150 155 160

Asp Ala Glu Cys Pro Pro Ala His Thr Cys Xaa Arg Gly Xaa Pro Ala
165 170 175

Cys Ser His Xaa Pro Thr Arg Xaa Ala Arg Leu Leu Thr Xaa Ala His
180 185 190

Val Glu Cys Arg Leu Leu Thr Leu Pro Met Trp
195 200

<210> 1144

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1144

Lys Val Leu Leu Pro Tyr Leu Cys Ser Ser Phe Pro Met Ala Glu Phe
 1 5 10 15

Cys Asn Tyr Ile Gln Asn Ile Val Tyr Ile Leu Phe Leu Lys Leu Tyr
 20 25 30

Tyr Ile Gly Trp Ile Leu Leu Xaa Trp Gly Thr Gly Ala Tyr Ile Gln
 35 40 45

Gly Ser Phe Leu Ser Thr Cys Leu Ser Thr Ile Cys Cys Val
 50 55 60

<210> 1145

<211> 105

<212> PRT

<213> Homo sapiens

<400> 1145

Asn Glu Ser Leu Thr Gln Phe His Ala Thr Phe Cys Leu Phe Ser Lys
 1 5 10 15

Glu Arg Leu Leu Gly Leu Ser Val Thr Arg His Val Trp Ile Ala Ser
 20 25 30

His Ile His Ile Met Pro Gly Ser Pro Gln Pro Thr His Val Leu Glu
 35 40 45

Val Ala Thr Cys Gln Val Ser Val Phe Ser Leu Asn Ser Lys Trp Val
 50 55 60

Asn His Met Asn Ser Thr Gly Pro Cys Glu Asn Gly Val Lys Ala Ser
 65 70 75 80

Phe Val Pro Phe Ser Ile Ser Leu Thr His Met Cys Ser Leu Ser Thr
 85 90 95

Ala Glu Asp Arg Phe Val Cys Ala Leu
 100 105

<210> 1146
 <211> 243
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (240)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1146

Lys Glu Thr Leu Glu Thr Ile Ser Asn Glu Glu Gln Thr Pro Leu Leu
 1 5 10 15

Lys Lys Ile Asn Pro Thr Glu Ser Thr Ser Lys Ala Glu Glu Asn Glu
 20 25 30

Lys Val Asp Ser Lys Val Lys Ala Phe Lys Lys Pro Leu Ser Val Phe
 35 40 45

Lys Gly Pro Leu Leu His Ile Ser Pro Ala Glu Glu Leu Tyr Phe Gly
 50 55 60

Ser Thr Glu Ser Gly Glu Lys Lys Thr Leu Ile Val Leu Thr Asn Val
 65 70 75 80

Thr Lys Asn Ile Val Ala Phe Lys Val Arg Thr Thr Ala Pro Glu Lys
 85 90 95

Tyr Arg Val Lys Pro Ser Asn Ser Ser Cys Asp Pro Gly Ala Ser Val
 100 105 110

Asp Ile Val Val Ser Pro His Gly Gly Leu Thr Val Ser Ala Gln Asp
 115 120 125

Arg Phe Leu Ile Met Ala Ala Glu Met Glu Gln Ser Ser Gly Thr Gly
 130 135 140

Pro Ala Glu Leu Thr Gln Phe Trp Lys Glu Val Pro Arg Asn Lys Val
 145 150 155 160

Met Glu His Arg Leu Arg Cys His Thr Val Glu Ser Ser Lys Pro Asn
 165 170 175

Thr Leu Thr Leu Lys Asp Asn Ala Phe Asn Met Ser Asp Lys Thr Ser
 180 185 190

Glu Asp Ile Cys Leu Gln Leu Ser Arg Leu Leu Glu Ser Asn Arg Lys

195 200 205
 Leu Glu Asp Gln Val Gln Arg Cys Ile Trp Phe Gln Gln Leu Leu Leu
 210 215 220
 Ser Leu Thr Met Leu Leu Leu Ala Phe Val Thr Ser Phe Phe Tyr Xaa
 225 230 235 240
 Leu Tyr Ser

<210> 1147
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1147
 Ser Val Lys Met Met Tyr Cys Ile Leu Lys Tyr Ser Asn Cys Ala Phe
 1 5 10 15
 Leu Tyr His Leu Gln Tyr Glu Lys Cys Gln Tyr Leu Val Pro Phe Ser
 20 25 30
 Gly Thr Ile Arg Phe Leu Leu Thr Leu Phe Ser Pro Leu Thr His Val
 35 40 45
 Ile Ser His Ser Asn Gln Glu Ser Arg Glu
 50 55

<210> 1148
 <211> 73
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1148
 Xaa Xaa Asn Gly Leu Gly Ser Val Lys Asp Gly Glu Pro His Phe Val
 1 5 10 15

Val Val His Cys Thr Gly Tyr Ile Lys Ala Trp Pro Gln Gln Val Phe
 20 25 30

Pro Ser Gln Met Met Thr Gln Pro Glu Val Phe Gln Glu Met Leu Ser
 35 40 45

Met Leu Gly Asp Gln Ser Asn Ser Tyr Asn Asn Glu Glu Phe Pro Asp
 50 55 60

Leu Thr Met Phe Pro Pro Phe Ser Glu
 65 70

<210> 1149

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1149

Val Lys Trp Val Val Ser Phe Asn Ile Gln Asn Asn His Met Xaa Tyr
 1 5 10 15

Xaa Leu Pro Leu Ser Phe Pro Phe Val Gln Met Arg Lys Val Arg Leu
 20 25 30

Thr Glu Val Asn Trp Pro Arg Val Pro Gln Leu Val Ser Ala Glu Val
 35 40 45

Gly Xaa His Asn Gln Ile Cys Ser Ala Xaa Asn Leu Cys Gln Ile Ser

50 55 60
 Ser Lys Val Leu Gln Arg Ala Arg His Val Tyr Phe Ile Pro Ile
 65 70 75

 <210> 1150
 <211> 138
 <212> PRT
 <213> Homo sapiens

 <400> 1150
 His Ser Glu Ile Gln Ser Val Cys Leu Thr Arg Leu Phe Asp Phe Lys
 1 5 10 15
 Ile Phe Cys Arg Lys Cys Phe Glu Asn Phe Glu Tyr Leu Lys Met Ala
 20 25 30
 Gly Val Val Leu His Phe Ala Ser Cys Ser Asp Thr Leu Phe Tyr Leu
 35 40 45
 Tyr Arg Tyr Ser Glu Phe Leu Phe Phe Ser Thr Cys Cys Thr Leu Ser
 50 55 60
 Lys Ala Lys Arg Lys Leu Ile Leu Gly Ser Arg Lys Ala Glu Ala Phe
 65 70 75 80
 Gly Glu Met Glu Thr Arg Met Cys Lys Asn Glu Thr Thr Thr Ser Arg
 85 90 95
 Ile Lys Lys Lys Lys Cys Gln Ser Ser Arg Val Leu Ser Asp Val Gln
 100 105 110
 Glu Gly Gly Gly Ile Ile Phe Met Glu His Ile Leu Trp Asn Thr Ala
 115 120 125
 Ile Arg Met Ser Glu Lys Leu Ile Cys Ser
 130 135

<210> 1151
 <211> 489
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1151

Arg Pro Arg Thr Arg Ala Pro Arg Gly Ala Arg Ser Ala Cys Thr Arg
 1 5 10 15

Gly Xaa Arg Arg Arg Pro Val Pro Ser Leu Lys Val Leu Ser Pro Phe
 20 25 30

Ala Val Val Gln Met Arg Lys Lys Trp Lys Met Gly Gly Met Lys Tyr
 35 40 45

Ile Phe Ser Leu Leu Phe Phe Leu Leu Leu Glu Gly Gly Lys Thr Glu
 50 55 60

Gln Val Lys His Ser Glu Thr Tyr Cys Met Phe Gln Asp Lys Lys Tyr
 65 70 75 80

Arg Val Gly Glu Arg Trp His Pro Tyr Leu Glu Pro Tyr Gly Leu Val
 85 90 95

Tyr Cys Val Asn Cys Ile Cys Ser Glu Asn Gly Asn Val Leu Cys Ser
 100 105 110

Arg Val Arg Cys Pro Asn Val His Cys Leu Ser Pro Val His Ile Pro
 115 120 125

His Leu Cys Cys Pro Arg Cys Pro Glu Asp Ser Leu Pro Pro Val Asn
 130 135 140

Asn Lys Val Thr Ser Lys Ser Cys Glu Tyr Asn Gly Thr Thr Tyr Gln
 145 150 155 160

His Gly Glu Leu Phe Val Ala Glu Gly Leu Phe Gln Asn Arg Gln Pro
 165 170 175

Asn Gln Cys Thr Gln Cys Ser Cys Ser Glu Gly Asn Val Tyr Cys Gly
 180 185 190

Leu Lys Thr Cys Pro Lys Leu Thr Cys Ala Phe Pro Val Ser Val Pro
 195 200 205

Asp Ser Cys Cys Arg Val Cys Arg Gly Asp Gly Glu Leu Ser Trp Glu
 210 215 220

His Ser Asp Gly Asp Ile Phe Arg Gln Pro Ala Asn Arg Glu Ala Arg
 225 230 235 240

His Ser Tyr His Arg Ser His Tyr Asp Pro Pro Pro Ser Arg Gln Ala
 245 250 255

Gly Gly Leu Ser Arg Phe Pro Gly Ala Arg Ser His Arg Gly Ala Leu

260	265	270
Met Asp Ser Gln Gln Ala Ser Gly Thr Ile Val Gln Ile Val Ile Asn		
275	280	285
Asn Lys His Lys His Gly Gln Val Cys Val Ser Asn Gly Lys Thr Tyr		
290	295	300
Ser His Gly Glu Ser Trp His Pro Asn Leu Arg Ala Phe Gly Ile Val		
305	310	315 320
Glu Cys Val Leu Cys Thr Cys Asn Val Thr Lys Gln Glu Cys Lys Lys		
325	330	335
Ile His Cys Pro Asn Arg Tyr Pro Cys Lys Tyr Pro Gln Lys Ile Asp		
340	345	350
Gly Lys Cys Cys Lys Val Cys Pro Glu Glu Leu Pro Gly Gln Ser Phe		
355	360	365
Asp Asn Lys Gly Tyr Phe Cys Gly Glu Glu Thr Met Pro Val Tyr Glu		
370	375	380
Ser Val Phe Met Glu Asp Gly Glu Thr Thr Arg Lys Ile Ala Leu Glu		
385	390	395 400
Thr Glu Arg Pro Pro Gln Val Glu Val His Val Trp Thr Ile Arg Lys		
405	410	415
Gly Ile Leu Gln His Phe His Ile Glu Lys Ile Ser Lys Arg Met Phe		
420	425	430
Glu Glu Leu Pro His Phe Lys Leu Val Thr Arg Thr Thr Leu Ser Gln		
435	440	445
Trp Lys Ile Phe Thr Glu Gly Glu Ala Gln Ile Ser Gln Met Cys Ser		
450	455	460
Ser Arg Val Cys Arg Thr Glu Leu Glu Asp Leu Val Lys Val Leu Tyr		
465	470	475 480
Leu Glu Arg Ser Glu Lys Gly His Cys		
485		

<210> 1152

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1152

Ile Asn Phe Leu Thr Ile Gly Phe Tyr Gly Val Gly His Asn Phe Trp
1 5 10 15

Leu Tyr Phe Lys Asn Phe Phe Leu Gly Gly Gly Val Leu Gly Ser Gly
20 25 30

His Gln Gly Arg Gly Val Ala Trp Gly Xaa Asp Pro Gly Ala Ser Pro
35 40 45

<210> 1153

<211> 48

<212> PRT

<213> Homo sapiens

<400> 1153

Thr Ile Val Arg Asp Gly Ser Asn Asp Val Ile Cys Glu Asn Ser His
1 5 10 15

His Leu Pro Val Arg Gln Asn Leu Leu Lys Pro Pro Glu Ser Asn Leu
20 25 30

Asp Tyr Ile Arg Pro Phe Phe Thr His Lys Lys Ile Leu Tyr Gly Ile
35 40 45

<210> 1154

<211> 344

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (88)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (140)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (314)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1154

Ser Lys Lys Leu Thr Arg Pro Leu Val Met Lys Thr Gly Arg Pro Ala
 1 5 10 15

Gly Lys Gly Ser Ile Thr Ile Ser Ala Glu Glu Ile Lys Asp Asn Arg
 20 25 30

Val Val Leu Phe Glu Met Glu Ala Arg Lys Leu Asp Asn Lys Asp Leu
 35 40 45

Phe Gly Lys Ser Asp Pro Tyr Leu Glu Phe His Lys Gln Thr Ser Asp
 50 55 60

Gly Asn Trp Leu Met Val His Arg Thr Glu Val Val Lys Asn Asn Leu
 65 70 75 80

Asn Pro Val Trp Xaa Pro Phe Xaa Ile Ser Leu Asn Ser Leu Cys Xaa
 85 90 95

Gly Asp Met Asp Lys Thr Ile Lys Val Glu Cys Tyr Asp Tyr Asp Asn
 100 105 110

Asp Gly Ser His Asp Leu Ile Gly Thr Phe Gln Thr Thr Met Thr Lys
 115 120 125

Leu Lys Glu Ala Ser Arg Ser Ser Pro Val Glu Xaa Glu Cys Ile Asn
 130 135 140

Glu Lys Lys Arg Gln Lys Lys Lys Ser Tyr Lys Asn Ser Gly Val Ile
 145 150 155 160

Ser Val Lys Gln Cys Glu Ile Thr Val Glu Cys Thr Phe Leu Asp Tyr

165 170 175
 Ile Met Gly Gly Cys Gln Leu Asn Phe Thr Val Gly Val Asp Phe Thr
 180 185 190
 Gly Ser Asn Gly Asp Pro Arg Ser Pro Asp Ser Leu His Tyr Ile Ser
 195 200 205
 Pro Asn Gly Val Asn Glu Tyr Leu Thr Ala Leu Trp Ser Val Gly Leu
 210 215 220
 Val Ile Gln Asp Tyr Asp Ala Asp Lys Met Phe Pro Ala Phe Gly Phe
 225 230 235 240
 Gly Ala Gln Ile Pro Pro Gln Trp Gln Val Ser His Glu Phe Pro Met
 245 250 255
 Asn Phe Asn Pro Ser Asn Pro Tyr Cys Asn Gly Ile Gln Gly Ile Val
 260 265 270
 Glu Ala Tyr Arg Ser Cys Leu Pro Gln Ile Lys Leu Tyr Gly Pro Thr
 275 280 285
 Asn Phe Ser Pro Ile Ile Asn His Val Ala Arg Phe Ala Ala Ala Ala
 290 295 300
 Thr Gln Gln Gln Thr Ala Ser Gln Tyr Xaa Val Leu Leu Ile Ile Thr
 305 310 315 320
 Asp Gly Val Ile Thr Asp Leu Asp Glu Thr Arg Gln Ala Ile Val Asn
 325 330 335
 Ala Ser Ser Cys Leu Cys Pro Ser
 340

<210> 1155

<211> 120

<212> PRT

<213> Homo sapiens

<400> 1155

Tyr Phe Ile Glu Gly Leu Cys Ala Lys Asn Tyr Ala Tyr Leu Tyr Ile
 1 5 10 15
 Gly Gln Leu Ser Leu Ile Ile Tyr Leu Leu Lys Leu His Val Tyr His
 20 25 30
 Ile Ser Leu Ser Gly His Ile Gln Cys His Val Asp Val Pro Leu Ser
 35 40 45

Phe Ile Glu Lys Leu Pro His Ser Pro Cys Leu Leu Phe Ser Ala Met
 50 55 60
 Pro Gln Gly Ser Glu Leu Ser Thr Thr Asp Ser Cys Gly Phe Ser Glu
 65 70 75 80
 Ala Ala His Cys Gln Gly Gln Ala Glu Arg Gly Pro Ala Cys Cys Gly
 85 90 95
 Gly Cys Leu Ala Gln Met Ser Ile Tyr Leu Pro Pro Ser His Leu Ala
 100 105 110
 Ser Cys Pro Leu Asp Met Cys Cys
 115 120

<210> 1156
 <211> 469
 <212> PRT
 <213> Homo sapiens

<400> 1156
 Gly Gly Trp Arg Trp Lys Leu Arg Glu Ser Gly Ala Ile Ala Pro Arg
 1 5 10 15
 Asp Ser Gln Ser Arg Pro Leu Gln Ser Leu Arg Gln Leu Ala Leu Arg
 20 25 30
 Val Gly Val Ala Pro Ala Ala Ala Met Ser Gly Gly Val Tyr Gly Gly
 35 40 45
 Asp Glu Val Gly Ala Leu Val Phe Asp Ile Gly Ser Tyr Thr Val Arg
 50 55 60
 Ala Gly Tyr Ala Gly Glu Asp Cys Pro Lys Val Asp Phe Pro Thr Ala
 65 70 75 80
 Ile Gly Met Val Val Glu Arg Asp Asp Gly Ser Thr Leu Met Glu Ile
 85 90 95
 Asp Gly Asp Lys Gly Lys Gln Gly Gly Pro Thr Tyr Tyr Ile Asp Thr
 100 105 110
 Asn Ala Leu Arg Val Pro Arg Glu Asn Met Glu Ala Ile Ser Pro Leu
 115 120 125
 Lys Asn Gly Met Val Glu Asp Trp Asp Ser Phe Gln Ala Ile Leu Asp
 130 135 140

His Thr Tyr Lys Met His Val Lys Ser Glu Ala Ser Leu His Pro Val
 145 150 155 160

Leu Met Ser Glu Ala Pro Trp Asn Thr Arg Ala Lys Arg Glu Lys Leu
 165 170 175

Thr Glu Leu Met Phe Glu His Tyr Asn Ile Pro Ala Phe Phe Leu Cys
 180 185 190

Lys Thr Ala Val Leu Thr Ala Phe Ala Asn Gly Arg Ser Thr Gly Leu
 195 200 205

Ile Leu Asp Ser Gly Ala Thr His Thr Thr Ala Ile Pro Val His Asp
 210 215 220

Gly Tyr Val Leu Gln Gln Gly Ile Val Lys Ser Pro Leu Ala Gly Asp
 225 230 235 240

Phe Ile Thr Met Gln Cys Arg Glu Leu Phe Gln Glu Met Asn Ile Glu
 245 250 255

Leu Val Pro Pro Tyr Met Ile Ala Ser Lys Glu Ala Val Arg Glu Gly
 260 265 270

Ser Pro Ala Asn Trp Lys Arg Lys Glu Lys Leu Pro Gln Val Thr Arg
 275 280 285

Ser Trp His Asn Tyr Met Cys Asn Cys Val Ile Gln Asp Phe Gln Ala
 290 295 300

Ser Val Leu Gln Val Ser Asp Ser Thr Tyr Asp Glu Gln Val Ala Ala
 305 310 315 320

Gln Met Pro Thr Val His Tyr Glu Phe Pro Asn Gly Tyr Asn Cys Asp
 325 330 335

Phe Gly Ala Glu Arg Leu Lys Ile Pro Glu Gly Leu Phe Asp Pro Ser
 340 345 350

Asn Val Lys Gly Leu Ser Gly Asn Thr Met Leu Gly Val Ser His Val
 355 360 365

Val Thr Thr Ser Val Gly Met Cys Asp Ile Asp Ile Arg Pro Gly Leu
 370 375 380

Tyr Gly Ser Val Ile Val Ala Gly Gly Asn Thr Leu Ile Gln Ser Phe
 385 390 395 400

Thr Asp Arg Leu Asn Arg Glu Leu Ser Gln Lys Thr Pro Pro Ser Met
 405 410 415

Arg Leu Lys Leu Ile Ala Asn Asn Thr Thr Val Glu Arg Arg Phe Ser
 420 425 430

Ser Trp Ile Gly Gly Ser Ile Leu Ala Ser Leu Gly Thr Phe Gln Gln
 435 440 445

Met Trp Ile Ser Lys Gln Glu Tyr Glu Glu Gly Gly Lys Gln Cys Val
 450 455 460

Glu Arg Lys Cys Pro
 465

<210> 1157

<211> 94

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1157

Thr Ala Leu Cys Pro Arg Ile His Glu Val Pro Leu Leu Glu Pro Leu
 1 5 10 15

Val Cys Xaa Lys Ile Ala Gln Glu Arg Leu Thr Val Leu Leu Phe Leu
 20 25 30

Glu Asp Cys Ile Ile Thr Ala Cys Gln Glu Gly Leu Ile Cys Thr Trp
 35 40 45

Xaa Arg Pro Gly Lys Ala Phe Thr Asp Glu Glu Thr Glu Ala Gln Thr
 50 55 60

Gly Glu Gly Ser Trp Pro Arg Ser Pro Ser Lys Ser Val Val Glu Gly
 65 70 75 80

Ile Ser Ser Gln Pro Gly Asn Ser Pro Ser Gly Thr Val Val
 85 90

<210> 1158

<211> 114

<212> PRT

<213> Homo sapiens

<400> 1158

Leu Ser Pro Gln Trp Thr His Leu Leu Val Lys Gly Ala Val Val Leu
1 5 10 15

Cys Gly Ser Gln Phe Thr Ser Phe Pro Lys Ile Gln Cys Asp His Pro
20 25 30

Val Asn Gly His Thr Ser Ser Glu Ile Asn Phe Gln Asn Leu Cys Ser
35 40 45

Ser Ser Tyr Pro Leu Arg Val Ile Met Ala Asn Lys Gln Lys Ala Leu
50 55 60

Val Gln Ala Pro Pro Asn Thr Leu Asn Leu Asn Leu Asn Met Leu Lys
65 70 75 80

Phe Glu Asn Lys Glu Thr Phe Phe Ile Ser Leu Ser Gly Leu Ser Leu
85 90 95

Val Leu Met Gly Leu Leu Met Ala Phe Gln Ser Val Ala Glu Ala Ile
100 105 110

Ile Phe

<210> 1159

<211> 155

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1159

Pro Trp Gly Ala Trp Arg Gln Gly Ala Arg Ala Ala Gln Ser Pro Phe
1 5 10 15

Ser Ile Pro Asn Ser Ser Ser Val Pro Tyr Gly Ser Gln Asp Ser Val

20 25 30
His Ser Ser Pro Glu Asp Gly Gly Gly Gly Xaa Asp Arg Xaa Gly Gly
35 40 45
Thr Gly Gly Pro Arg Leu Val Ile Gly Ser Leu Pro Ala His Leu Ser
50 55 60
Pro His Met Phe Gly Gly Phe Lys Cys Pro Val Cys Ser Lys Phe Val
65 70 75 80
Ser Ser Asp Glu Met Asp Leu His Leu Val Met Cys Leu Thr Lys Pro
85 90 95
Arg Ile Thr Tyr Asn Glu Asp Val Leu Ser Lys Asp Ala Gly Glu Cys
100 105 110
Ala Ile Cys Leu Glu Glu Leu Gln Gln Gly Asp Thr Ile Ala Arg Leu
115 120 125
Pro Cys Leu Cys Ile Tyr His Lys Gly Cys Ile Asp Glu Trp Phe Glu
130 135 140
Val Asn Arg Ser Cys Pro Glu His Pro Ser Asp
145 150 155

<210> 1160

<211> 337

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (155)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (169)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1160

Cys Leu Gly Cys Lys Pro Asp Gln Pro Leu Arg Ala Glu Gly Arg Leu
1 5 10 15

Leu Ala Pro Ser Gly Asn Pro Ala Pro Ser Pro Gly Ser Glu Arg Leu
20 25 30

Ala Gly Asp Asp Thr Xaa Ser Ala Pro Ala Ala Pro Ser Xaa Gly Cys
35 40 45

Gly Lys Arg Arg Glu Ser Asp Ala Gly Ala Gly Gly Glu Arg Ala Ser
50 55 60

Val Arg Thr Gly Ser Gly Arg Arg Gly Gly Ala Asn His Gly Arg Gly
65 70 75 80

Gln Arg Ala Asp Pro Ala Glu Pro Pro Ala Ala Gln Arg Arg Arg Ala
85 90 95

Leu Pro Tyr Arg Arg His Gly Gly Thr Ala Ser Gly Lys Ser Ser Val
100 105 110

Cys Ala Lys Ile Val Gln Leu Leu Gly Gln Asn Glu Val Asp Tyr Arg
115 120 125

Gln Lys Gln Val Val Ile Leu Ser Gln Asp Ser Phe Tyr Arg Val Leu
130 135 140

Thr Ser Glu Gln Lys Ala Lys Ala Leu Lys Xaa Gln Phe Asn Phe Asp
145 150 155 160

His Pro Asp Ala Phe Asp Asn Glu Xaa Ile Leu Lys Thr Leu Lys Glu
165 170 175

Ile Thr Glu Gly Lys Thr Val Gln Ile Pro Val Tyr Asp Phe Val Ser
180 185 190

His Ser Arg Lys Glu Glu Thr Val Thr Val Tyr Pro Ala Asp Val Val
195 200 205

Leu Phe Glu Gly Ile Leu Ala Phe Tyr Ser Gln Glu Val Arg Asp Leu
210 215 220

Phe Gln Met Lys Leu Phe Val Asp Thr Asp Ala Asp Thr Arg Leu Ser
225 230 235 240

Arg Arg Val Leu Arg Asp Ile Ser Glu Arg Gly Arg Asp Leu Glu Gln
245 250 255

Ile Leu Ser Gln Tyr Ile Thr Phe Val Lys Pro Ala Phe Glu Glu Phe
260 265 270

Cys Leu Pro Thr Lys Lys Tyr Ala Asp Val Ile Ile Pro Arg Gly Ala
275 280 285

Asp Asn Leu Val Ala Ile Asn Leu Ile Val Gln His Ile Gln Asp Ile
290 295 300

Leu Asn Gly Gly Pro Ser Lys Arg Gln Thr Asn Gly Cys Leu Asn Gly
305 310 315 320

Tyr Thr Pro Ser Arg Lys Arg Gln Ala Ser Glu Ser Ser Ser Arg Pro
325 330 335

His

<210> 1161

<211> 330

<212> PRT

<213> Homo sapiens

<400> 1161

Ala Arg Gly Met Phe Gly Leu Gly Asn Glu Phe Lys Pro Leu Asn Val
1 5 10 15

Gln Glu Arg Glu Ala Gln Phe Gly Thr Thr Ala Glu Ile Tyr Ala Tyr
20 25 30

Arg Glu Glu Gln Asp Phe Gly Ile Glu Ile Val Lys Val Lys Ala Ile
35 40 45

Gly Arg Gln Arg Phe Lys Val Leu Glu Leu Arg Thr Gln Ser Asp Gly
50 55 60

Ile Gln Gln Ala Lys Val Gln Ile Leu Pro Glu Cys Val Leu Pro Ser
65 70 75 80

Thr Met Ser Ala Val Gln Leu Glu Ser Leu Asn Lys Cys Gln Ile Phe
85 90 95

Pro Ser Lys Pro Val Ser Arg Glu Asp Gln Cys Ser Tyr Lys Trp Trp
100 105 110

Gln Lys Tyr Gln Lys Arg Lys Phe His Cys Ala Asn Leu Thr Ser Trp
115 120 125

Pro Arg Trp Leu Tyr Ser Leu Tyr Asp Ala Glu Thr Leu Met Asp Arg

130	135	140
Ile Lys Lys Gln Leu Arg Glu Trp Asp Glu Asn Leu Lys Asp Asp Ser		
145	150	155 160
Leu Pro Ser Asn Pro Ile Asp Phe Ser Tyr Arg Val Ala Ala Cys Leu		
	165	170 175
Pro Ile Asp Asp Val Leu Arg Ile Gln Leu Leu Lys Ile Gly Ser Ala		
	180	185 190
Ile Gln Arg Leu Arg Cys Glu Leu Asp Ile Met Asn Lys Cys Thr Ser		
	195	200 205
Leu Cys Cys Lys Gln Cys Gln Glu Thr Glu Ile Thr Thr Lys Asn Glu		
	210	215 220
Ile Phe Ser Leu Ser Leu Cys Gly Pro Met Ala Ala Tyr Val Asn Pro		
225	230	235 240
His Gly Tyr Val His Glu Thr Leu Thr Val Tyr Lys Ala Cys Asn Leu		
	245	250 255
Asn Leu Ile Gly Arg Pro Ser Thr Glu His Ser Trp Phe Pro Gly Tyr		
	260	265 270
Ala Trp Thr Val Ala Gln Cys Lys Ile Cys Ala Ser His Ile Gly Trp		
	275	280 285
Lys Phe Thr Ala Thr Lys Lys Asp Met Ser Pro Gln Lys Phe Trp Gly		
	290	295 300
Leu Thr Arg Ser Ala Leu Leu Pro Thr Ile Pro Asp Thr Glu Asp Glu		
305	310	315 320
Ile Ser Pro Asp Lys Val Ile Leu Cys Leu		
	325	330

<210> 1162

<211> 165

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (144)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (148)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (153)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (165)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1162

Cys Arg Lys Thr Ala Gln Pro Thr Ala Ala Glu Met Lys Tyr Lys Asn
1 5 10 15

Leu Met Ala Arg Ala Leu Tyr Asp Asn Val Pro Glu Cys Ala Glu Glu
20 25 30

Leu Ala Phe Arg Lys Gly Asp Ile Leu Thr Val Ile Glu Gln Asn Thr
35 40 45

Gly Gly Leu Glu Gly Trp Trp Leu Cys Ser Leu His Gly Arg Gln Gly
50 55 60

Ile Val Pro Gly Asn Arg Val Lys Leu Leu Ile Gly Pro Met Gln Glu
65 70 75 80

Thr Ala Ser Ser His Glu Gln Pro Ala Ser Gly Leu Met Gln Gln Thr
85 90 95

Phe Gly Gln Gln Lys Leu Tyr Gln Val Pro Asn Pro Thr Gly Leu Leu
100 105 110

Pro Pro Arg His Pro Phe Leu Pro Lys Val Pro Thr Leu Ser Leu Thr
115 120 125

Gln Lys Ile Lys Gly Glu Ile Phe Thr Gln Arg Phe Pro Gln Leu Xaa
130 135 140

Ala Gln Arg Xaa Thr Pro Lys Gly Xaa Lys Gly Gly Val Leu Phe Arg
145 150 155 160

Val Ala Pro Pro Xaa
165

<210> 1163

<211> 195

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (186)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1163

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Phe Leu Asn Arg Glu Leu Ile Val Lys Ser Ser Met Ala Thr Gly Gly
 1             5             10             15

Gly Pro Phe Glu Asp Gly Met Asn Asp Gln Asp Leu Pro Asn Trp Ser
          20             25             30

Asn Glu Asn Val Asp Asp Arg Leu Asn Asn Met Asp Trp Gly Ala Gln
          35             40             45

Gln Lys Lys Ala Asn Arg Ser Ser Glu Lys Asn Lys Lys Lys Phe Gly
 50             55             60

Val Glu Ser Asp Lys Arg Val Thr Asn Asp Ile Ser Pro Glu Ser Ser
 65             70             75             80

Pro Gly Val Gly Arg Arg Arg Thr Lys Thr Pro His Thr Phe Pro His
          85             90             95

Ser Arg Tyr Met Ser Gln Met Ser Val Pro Glu Gln Ala Glu Leu Glu
          100            105            110

Lys Leu Lys Gln Arg Ile Asn Phe Ser Asp Leu Asp Gln Arg Ser Ile
          115            120            125

Gly Ser Asp Ser Gln Gly Arg Ala Thr Ala Ala Asn Asn Lys Arg Gln
          130            135            140

Leu Ser Glu Asn Arg Lys Pro Phe Asn Phe Leu Pro Met Gln Ile Asn
          145            150            155            160

Thr Asn Lys Glu Gln Arg Cys Ile Leu Gln Val Pro Gln Thr Glu Glu
          165            170            175

Thr Val Gly Phe Ser Thr Val Leu Lys Xaa Cys Phe Ala Phe Trp Phe
          180            185            190

Leu Ser Asn
          195

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<210> 1164

<211> 300

<212> PRT

<213> Homo sapiens

<400> 1164

Arg Arg Pro Ser Ala Arg Arg Glu Leu Gly Lys Gly Arg Gln Arg Arg
 1 5 10 15

Arg Arg Gln Arg Gln Arg Gln Ser Pro Val Pro Arg Pro Ser Asp Arg
 20 25 30

Pro Ala Gly Leu Gly Leu Ala Lys Pro Ala Arg Arg Ala Leu Pro Thr
 35 40 45

Pro Glu Pro Gly Arg Lys Ser Ser Asp Ser Ser Leu Ala Ser Pro Gly
 50 55 60

Ala Ala Leu Gln Thr Gly Pro Val Val Arg Gly Ser Gly Ala Asp Pro
 65 70 75 80

Glu Ala Gly Phe Ala Gln Pro Pro Thr Arg Ala Gly Pro Leu Glu Gly
 85 90 95

Ala Phe Asn Ser Arg Thr Arg Gln Ala Thr Met Thr Glu Asn Ser Thr
 100 105 110

Ser Ala Pro Ala Ala Lys Pro Lys Arg Ala Lys Ala Ser Lys Lys Ser
 115 120 125

Thr Asp His Pro Lys Tyr Ser Asp Met Ile Val Ala Ala Ile Gln Ala
 130 135 140

Glu Lys Asn Arg Ala Gly Ser Ser Arg Gln Ser Ile Gln Lys Tyr Ile
 145 150 155 160

Lys Ser His Tyr Lys Val Gly Glu Asn Ala Asp Ser Gln Ile Lys Leu
 165 170 175

Ser Ile Lys Arg Leu Val Thr Thr Gly Val Leu Lys Gln Thr Lys Gly
 180 185 190

Val Gly Ala Ser Gly Ser Phe Arg Leu Ala Lys Ser Asp Glu Pro Lys
 195 200 205

Lys Ser Val Ala Phe Lys Lys Thr Lys Lys Glu Ile Lys Lys Val Ala
 210 215 220

Thr Pro Lys Lys Ala Ser Lys Pro Lys Lys Ala Ala Ser Lys Ala Pro
 225 230 235 240

Thr Lys Lys Pro Lys Ala Thr Pro Val Lys Lys Ala Lys Lys Lys Leu
 245 250 255

Ala Ala Thr Pro Lys Lys Ala Lys Lys Pro Lys Thr Val Lys Ala Lys
 260 265 270

Pro Val Lys Ala Ser Lys Pro Lys Lys Ala Lys Pro Val Lys Pro Lys
 275 280 285

Ala Lys Ser Ser Ala Lys Arg Ala Gly Lys Lys Lys
 290 295 300

<210> 1165

<211> 150

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1165

Ser Thr His Ala Ser Ala His Ala Ser Gly Lys Gln Glu Ile Val Asp
 1 5 10 15

Pro Pro Ser Lys Met Glu Asp Gly Lys Pro Val Trp Ala Pro His Pro
 20 25 30

Thr Asp Gly Phe Gln Met Gly Asn Ile Val Asp Ile Gly Pro Asp Ser
 35 40 45

Leu Thr Ile Glu Pro Leu Asn Gln Lys Gly Lys Thr Phe Leu Ala Leu
 50 55 60

Ile Asn Gln Val Phe Pro Ala Glu Glu Asp Ser Lys Lys Asp Val Glu
 65 70 75 80

Asp Asn Cys Ser Leu Met Tyr Leu Asn Glu Ala Thr Leu Leu His Asn
 85 90 95

Ile Lys Val Arg Tyr Ser Lys Asp Arg Ile Tyr Thr Tyr Val Ala Asn
 100 105 110

Ile Leu Xaa Ala Val Asn Pro Tyr Phe Asp Ile Pro Lys Ile Tyr Leu
 115 120 125

Gln Ser Ile Lys Ser Tyr Gln Gly Lys Ser Leu Gly Thr Arg Pro Pro
 130 135 140

Pro Gly Leu Cys Asn Cys
145 150

<210> 1166

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1166

Ala Ile Trp Pro Leu Arg Gly Leu Leu Arg Tyr Arg Gln Phe Cys Gly
1 5 10 15

Ala Ala Ser Ala Ala Pro Arg Arg Ser Asn Met Leu Arg Ile Pro Leu
20 25 30

Arg Arg Ala Leu Val Xaa Leu Ser Asn Lys Ser Ser Lys Gly Cys Val
35 40 45

Arg Thr Thr Ala Thr Ala Ala Ser Asn Leu Ile Glu Val Phe Val Asp
50 55 60

Gly Gln Ser Val Met Val Glu Pro Gly Thr Thr Val Leu Gln Ala Cys
65 70 75 80

Glu Lys Val Gly

<210> 1167

<211> 348

<212> PRT

<213> Homo sapiens

<400> 1167

Leu Ile Phe Cys Gly Cys Trp Leu Phe Ala Ser Leu Thr Val Met Glu
1 5 10 15

Ala Ala His Phe Phe Glu Gly Thr Glu Lys Leu Leu Glu Val Trp Phe
20 25 30

Ser Arg Gln Gln Pro Asp Ala Asn Gln Gly Ser Gly Asp Leu Arg Thr
35 40 45

Ile Pro Arg Ser Glu Trp Asp Ile Leu Leu Lys Asp Val Gln Cys Ser
 50 55 60

Ile Ile Ser Val Thr Lys Thr Asp Lys Gln Glu Ala Tyr Val Leu Ser
 65 70 75 80

Glu Ser Ser Met Phe Val Ser Lys Arg Arg Phe Ile Leu Lys Thr Cys
 85 90 95

Gly Thr Thr Leu Leu Leu Lys Ala Leu Val Pro Leu Leu Lys Leu Ala
 100 105 110

Arg Asp Tyr Ser Gly Phe Asp Ser Ile Gln Ser Phe Phe Tyr Ser Arg
 115 120 125

Lys Asn Phe Met Lys Pro Ser His Gln Gly Tyr Pro His Arg Asn Phe
 130 135 140

Gln Glu Glu Ile Glu Phe Leu Asn Ala Ile Phe Pro Asn Gly Ala Ala
 145 150 155 160

Tyr Cys Met Gly Arg Met Asn Ser Asp Cys Trp Tyr Leu Tyr Thr Leu
 165 170 175

Asp Phe Pro Glu Ser Arg Val Ile Ser Gln Pro Asp Gln Thr Leu Glu
 180 185 190

Ile Leu Met Ser Glu Leu Asp Pro Ala Val Met Asp Gln Phe Tyr Met
 195 200 205

Lys Asp Gly Val Thr Ala Lys Asp Val Thr Arg Glu Ser Gly Ile Arg
 210 215 220

Asp Leu Ile Pro Gly Ser Val Ile Asp Ala Thr Met Phe Asn Pro Cys
 225 230 235 240

Gly Tyr Ser Met Asn Gly Met Lys Ser Asp Gly Thr Tyr Trp Thr Ile
 245 250 255

His Ile Thr Pro Glu Pro Glu Phe Ser Tyr Val Ser Phe Glu Thr Asn
 260 265 270

Leu Ser Gln Thr Ser Tyr Asp Asp Leu Ile Arg Lys Val Val Glu Val
 275 280 285

Phe Lys Pro Gly Lys Phe Val Thr Thr Leu Phe Val Asn Gln Ser Ser
 290 295 300

Lys Cys Arg Thr Val Leu Ala Ser Pro Gln Lys Ile Glu Gly Phe Lys
 305 310 315 320

Arg Leu Asp Cys Gln Ser Ala Met Phe Asn Asp Tyr Asn Phe Val Phe
325 330 335

Thr Ser Phe Ala Lys Lys Gln Gln Gln Gln Gln Ser
340 345

<210> 1168

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1168

Ser Ser Gln Arg Leu Gln Gly Arg Ala Arg Ala Val Leu Ser Pro Pro
1 5 10 15

Ala Pro Xaa Ser Asn Val Gly Thr Gly Glu Lys Lys Val Thr Glu Ala
20 25 30

Trp Ile Ser Glu Asp Glu Asn Ser His Arg Thr Thr Ser Asp Arg Leu
35 40 45

Thr Val Met Glu Leu Pro Ser Pro Glu Ser Glu Glu Val His Glu Pro
50 55 60

Arg Leu Gly Glu Leu Leu Gly Asn Pro Glu Gly Gln Ser Leu Gly Ser
65 70 75 80

Ser Pro Ser Gln Asp Arg Gly Cys Asn Arg
85 90

<210> 1169

<211> 277

<212> PRT

<213> Homo sapiens

<400> 1169

Arg Ser Thr Arg Trp Arg Pro Lys Val Met Trp His Leu Leu Arg Arg
1 5 10 15

Tyr Met Ala Ser Arg Leu His Ser Leu Arg Met Gly Gly Tyr Leu Phe
20 25 30

Ser Gly Ser Gln Ala Pro Gln Leu Ser Pro Ala Leu Leu Arg Ala Leu
 35 40 45

Gly Gln Lys Cys Pro Asn Leu Lys Arg Leu Cys Leu His Val Ala Asp
 50 55 60

Leu Ser Met Val Pro Ile Thr Ser Leu Pro Ser Thr Leu Arg Thr Leu
 65 70 75 80

Glu Leu His Ser Cys Glu Ile Ser Met Ala Trp Leu His Lys Gln Gln
 85 90 95

Asp Pro Thr Val Leu Pro Leu Leu Glu Cys Ile Val Leu Asp Arg Val
 100 105 110

Pro Ala Phe Arg Asp Glu His Leu Gln Gly Leu Thr Arg Phe Arg Ala
 115 120 125

Leu Arg Ser Leu Val Leu Gly Gly Thr Tyr Arg Val Thr Glu Thr Gly
 130 135 140

Leu Asp Ala Gly Leu Gln Glu Leu Ser Tyr Leu Gln Arg Leu Glu Val
 145 150 155 160

Leu Gly Cys Thr Leu Ser Ala Asp Ser Thr Leu Leu Ala Ile Ser Arg
 165 170 175

His Leu Pro Arg Cys Ala Gln Asp Pro Ala Asp Arg Glu Gly Leu Ser
 180 185 190

Ala Pro Gly Leu Ala Val Leu Glu Gly Met Pro Ala Leu Glu Ser Leu
 195 200 205

Cys Leu Gln Gly Pro Leu Val Thr Pro Glu Met Pro Ser Pro Thr Glu
 210 215 220

Ile Leu Ser Ser Cys Leu Thr Met Pro Lys Leu Arg Val Leu Glu Leu
 225 230 235 240

Gln Gly Leu Gly Trp Glu Gly Gln Glu Ala Glu Lys Ile Leu Cys Lys
 245 250 255

Gly Leu Pro His Cys Met Val Ile Val Arg Ala Cys Pro Lys Glu Ser
 260 265 270

Met Asp Trp Trp Met
 275

<210> 1170

<211> 489

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (349)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (351)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (356)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (362)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1170

Thr	Arg	Val	Phe	Lys	Glu	Leu	Glu	Asn	Thr	Gly	Lys	Leu	Ile	Cys	Ser
1				5					10					15	

Pro	Thr	His	Ile	Asp	Arg	Val	Arg	Leu	Phe	Leu	Met	Gln	Leu	Arg	Lys
		20						25					30		

Met	Gln	Thr	Val	Lys	Lys	Glu	Gln	Ala	Ser	Leu	Asp	Ala	Ser	Ser	Asn
	35					40						45			

Val	Asp	Lys	Met	Met	Val	Leu	Asn	Ser	Ala	Leu	Thr	Glu	Val	Ser	Glu
	50					55					60				

Asp	Ser	Thr	Thr	Gly	Glu	Glu	Leu	Leu	Leu	Ser	Glu	Gly	Ser	Val	Gly
65					70					75					80

Lys	Asn	Lys	Ser	Ser	Ala	Cys	Arg	Arg	Lys	Arg	Glu	Phe	Ile	Pro	Asp
				85					90					95	

Glu	Lys	Lys	Asp	Ala	Met	Tyr	Trp	Glu	Lys	Arg	Arg	Lys	Asn	Asn	Glu
			100					105					110		

Ala	Ala	Lys	Arg	Ser	Arg	Glu	Lys	Arg	Arg	Leu	Asn	Asp	Leu	Val	Leu
		115						120				125			

Glu	Asn	Lys	Leu	Ile	Ala	Leu	Gly	Glu	Glu	Asn	Ala	Thr	Leu	Lys	Ala
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

130		135		140
Glu Leu Leu Ser Leu Lys Leu Lys Phe Gly Leu Ile Ser Ser Thr Ala				
145		150		155 160
Tyr Ala Gln Glu Ile Gln Lys Leu Ser Asn Ser Thr Ala Val Tyr Phe				
	165		170	175
Gln Asp Tyr Gln Thr Ser Lys Ser Asn Val Ser Ser Phe Val Asp Glu				
	180		185	190
His Glu Pro Ser Met Val Ser Ser Ser Cys Ile Ser Val Ile Lys His				
	195		200	205
Ser Pro Gln Ser Ser Leu Ser Asp Val Ser Glu Val Ser Ser Val Glu				
	210		215	220
His Thr Gln Glu Ser Ser Val Gln Gly Ser Cys Arg Ser Pro Glu Asn				
	225		230	235 240
Lys Phe Gln Ile Ile Lys Gln Glu Pro Met Glu Leu Glu Ser Tyr Thr				
	245		250	255
Arg Glu Pro Arg Asp Asp Arg Gly Ser Tyr Thr Ala Ser Ile Tyr Gln				
	260		265	270
Asn Tyr Met Gly Asn Ser Phe Ser Gly Tyr Ser His Ser Pro Pro Leu				
	275		280	285
Leu Gln Val Asn Arg Ser Ser Ser Asn Ser Pro Arg Thr Ser Glu Thr				
	290		295	300
Asp Asp Gly Val Val Gly Lys Ser Ser Asp Gly Glu Asp Glu Gln Gln				
	305		310	315 320
Val Pro Lys Gly Pro Ile His Ser Pro Val Glu Leu Lys His Val His				
	325		330	335
Ala Thr Val Val Lys Val Pro Glu Val Asn Ser Ser Xaa Leu Xaa His				
	340		345	350
Lys Leu Arg Xaa Lys Ala Lys Ala Met Xaa Ile Lys Val Glu Ala Phe				
	355		360	365
Asp Asn Glu Phe Glu Ala Thr Gln Lys Leu Ser Ser Pro Ile Asp Met				
	370		375	380
Thr Ser Lys Arg His Phe Glu Leu Glu Lys His Ser Ala Pro Ser Met				
	385		390	395 400
Val His Ser Ser Leu Thr Pro Phe Ser Val Gln Val Thr Asn Ile Gln				

405 410 415
 Asp Trp Ser Leu Lys Ser Glu His Trp His Gln Lys Glu Leu Ser Gly
 420 425 430
 Lys Thr Gln Asn Ser Phe Lys Thr Gly Val Val Glu Met Lys Asp Ser
 435 440 445
 Gly Tyr Lys Val Ser Asp Pro Glu Asn Leu Tyr Leu Lys Gln Gly Ile
 450 455 460
 Ala Asn Leu Ser Ala Glu Val Val Ser Leu Lys Arg Leu Ile Ala Thr
 465 470 475 480
 Gln Pro Ile Ser Ala Ser Asp Ser Gly
 485

<210> 1171

<211> 49

<212> PRT

<213> Homo sapiens

<400> 1171

Gly Gly Val Thr Lys Arg Gln Ile Leu His Met Ile Pro Leu Val Ile
 1 5 10 15
 Pro Arg Val Lys Phe Met Glu Thr Glu Ser Arg Lys Val Val Thr Ser
 20 25 30
 Gly Trp Glu Gly Glu Asn Val Glu Phe Asn Gly Tyr Arg Ile Leu Val
 35 40 45

Leu

<210> 1172

<211> 442

<212> PRT

<213> Homo sapiens

<400> 1172

Ala Glu Ala Arg Ala Lys Ala Glu Ala Ala Gly Leu Arg Glu Ala Ala
 1 5 10 15
 Ala Arg Arg Arg Ser Leu Ser Pro Ala Thr Met Ser Thr Lys Gln Ile
 20 25 30

Thr Cys Arg Tyr Phe Met His Gly Val Cys Arg Glu Gly Ser Gln Cys
 35 40 45
 Leu Phe Ser His Asp Leu Ala Asn Ser Lys Pro Ser Thr Ile Cys Lys
 50 55 60
 Tyr Tyr Gln Lys Gly Tyr Cys Ala Tyr Gly Thr Arg Cys Arg Tyr Asp
 65 70 75 80
 His Thr Arg Pro Ser Ala Ala Ala Gly Gly Ala Val Gly Thr Met Ala
 85 90 95
 His Ser Val Pro Ser Pro Ala Phe His Ser Pro His Pro Pro Ser Glu
 100 105 110
 Val Thr Ala Ser Ile Val Lys Thr Asn Ser His Glu Pro Gly Lys Arg
 115 120 125
 Glu Lys Arg Thr Leu Val Leu Arg Asp Arg Asn Leu Ser Gly Met Ala
 130 135 140
 Glu Arg Lys Thr Gln Pro Ser Met Val Ser Asn Pro Gly Ser Cys Ser
 145 150 155 160
 Asp Pro Gln Pro Ser Pro Glu Met Lys Pro His Ser Tyr Leu Asp Ala
 165 170 175
 Ile Arg Ser Gly Leu Asp Asp Val Glu Ala Ser Ser Ser Tyr Ser Asn
 180 185 190
 Glu Gln Gln Leu Cys Pro Tyr Ala Ala Ala Gly Glu Cys Arg Phe Gly
 195 200 205
 Asp Ala Cys Phe Tyr Leu His Gly Glu Val Cys Glu Ile Cys Arg Leu
 210 215 220
 Gln Val Leu His Pro Phe Asp Pro Glu Gln Arg Lys Ala His Glu Lys
 225 230 235 240
 Ile Cys Met Leu Thr Phe Glu His Glu Met Glu Lys Ala Phe Ala Phe
 245 250 255
 Gln Ala Ser Gln Asp Lys Val Cys Ser Ile Cys Met Glu Val Ile Leu
 260 265 270
 Glu Lys Ala Ser Ala Ser Glu Arg Arg Phe Gly Ile Leu Ser Asn Cys
 275 280 285
 Asn His Thr Tyr Cys Leu Ser Cys Ile Arg Gln Trp Arg Cys Ala Lys
 290 295 300

Gln Phe Glu Asn Pro Ile Ile Lys Ser Cys Pro Glu Cys Arg Val Ile
 305 310 315 320
 Ser Glu Phe Val Ile Pro Ser Val Tyr Trp Val Glu Asp Gln Asn Lys
 325 330 335
 Lys Asn Glu Leu Ile Glu Ala Phe Lys Gln Gly Met Gly Lys Lys Ala
 340 345 350
 Cys Lys Tyr Phe Glu Gln Gly Lys Gly Thr Cys Pro Phe Gly Ser Lys
 355 360 365
 Cys Leu Tyr Arg His Ala Tyr Pro Asp Gly Arg Leu Ala Glu Pro Glu
 370 375 380
 Lys Pro Arg Lys Gln Leu Ser Ser Gln Gly Thr Val Arg Phe Phe Asn
 385 390 395 400
 Ser Val Arg Leu Trp Asp Phe Ile Glu Asn Arg Glu Ser Arg His Val
 405 410 415
 Pro Asn Asn Glu Asp Val Asp Met Thr Glu Leu Gly Asp Leu Phe Met
 420 425 430
 His Leu Ser Gly Val Glu Ser Ser Glu Pro
 435 440

<210> 1173

<211> 142

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1173

Leu Glu Phe Trp Leu Leu Cys Leu Xaa Ser Arg His Leu Leu Tyr Gln

1 5 10 15
 Leu Leu Trp Asn Met Phe Ser Lys Glu Val Glu Leu Ala Asp Ser Met
 20 25 30
 Gln Thr Leu Phe Arg Gly Asn Ser Leu Ala Ser Lys Ile Met Thr Phe
 35 40 45
 Cys Phe Lys Val Tyr Gly Ala Thr Tyr Leu Gln Lys Leu Leu Xaa Pro
 50 55 60
 Leu Leu Arg Ile Val Ile Thr Ser Ser Asp Trp Gln His Val Ser Phe
 65 70 75 80
 Glu Val Asp Pro Thr Xaa Leu Glu Pro Ser Glu Ser Leu Glu Glu Asn
 85 90 95
 Gln Arg Asn Leu Leu Gln Met Thr Glu Lys Phe Phe His Ala Ile Ile
 100 105 110
 Ser Ser Ser Ser Glu Phe Pro Pro Gln Leu Arg Ser Val Cys His Cys
 115 120 125
 Leu Tyr Gln Ala Thr Tyr His Ser Leu Leu Asn Lys Ala Thr
 130 135 140

<210> 1174

<211> 385

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (189)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (313)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1174

Pro Met Arg Arg Pro Arg Gly Glu Pro Gly Pro Arg Ala Pro Arg Pro
 1 5 10 15
 Thr Glu Gly Ala Thr Cys Ala Gly Pro Gly Glu Ser Trp Ser Pro Ser
 20 25 30

Pro Asn Ser Met Leu Arg Val Leu Leu Ser Ala Gln Thr Ser Pro Ala

35	40	45
Arg Leu Ser Gly Leu Leu Leu Ile Pro Pro Val Gln Pro Cys Cys Leu		
50	55	60
Gly Pro Ser Lys Trp Gly Asp Arg Pro Val Gly Gly Gly Pro Ser Ala		
65	70	75
Gly Pro Val Gln Gly Leu Gln Arg Leu Leu Glu Gln Ala Lys Ser Pro		
85	90	95
Gly Glu Leu Leu Arg Trp Leu Gly Gln Asn Pro Ser Lys Val Arg Ala		
100	105	110
His His Tyr Ser Val Ala Leu Arg Arg Leu Gly Gln Leu Leu Gly Ser		
115	120	125
Arg Pro Arg Pro Pro Pro Val Glu Gln Val Thr Leu Gln Asp Leu Ser		
130	135	140
Gln Leu Ile Ile Arg Asn Cys Pro Ser Phe Asp Ile His Thr Ile His		
145	150	155
Val Cys Leu His Leu Ala Val Leu Leu Gly Phe Pro Ser Asp Gly Pro		
165	170	175
Leu Val Cys Ala Leu Glu Gln Glu Arg Arg Leu Ala Xaa Pro Pro Lys		
180	185	190
Pro Pro Pro Pro Leu Gln Pro Leu Leu Arg Gly Gly Gln Gly Leu Glu		
195	200	205
Ala Ala Leu Ser Cys Pro Arg Phe Leu Arg Tyr Pro Arg Gln His Leu		
210	215	220
Ile Ser Ser Leu Ala Glu Ala Arg Pro Glu Glu Leu Thr Pro His Val		
225	230	235
Met Val Leu Leu Ala Gln His Leu Ala Arg His Arg Leu Arg Glu Pro		
245	250	255
Gln Leu Leu Glu Ala Ile Ala His Phe Leu Val Val Gln Glu Thr Gln		
260	265	270
Leu Ser Ser Lys Val Val Gln Lys Leu Val Leu Pro Phe Gly Arg Leu		
275	280	285
Asn Tyr Leu Pro Leu Glu Gln Gln Phe Met Pro Cys Leu Glu Arg Ile		
290	295	300
Leu Ala Arg Glu Ala Gly Val Ala Xaa Leu Ala Thr Val Asn Ile Leu		

305 310 315 320
 Met Ser Leu Cys Gln Leu Arg Cys Leu Pro Phe Arg Ala Leu His Phe
 325 330 335
 Val Phe Ser Pro Gly Phe Ile Asn Tyr Ile Ser Gly Thr Gln Pro Gly
 340 345 350
 Trp Leu Ala Gly Pro Leu Arg Ala Gly Glu Ala Gly Glu Gln Gly Gly
 355 360 365
 Leu Gln Pro Arg Ala Pro Val Pro Ala Ser Pro Gln Ala Pro Leu Met
 370 375 380
 Leu
 385

<210> 1175

<211> 114

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1175

His Glu Gln Asp Pro Lys Trp Gln Arg Cys Arg Leu Ser Trp Glu Ser
 1 5 10 15

Glu Pro Leu Trp Leu Phe Gly Arg Leu Met Val Thr Leu Lys Tyr Cys
 20 25 30

Leu Pro Leu Val Ser Arg Pro Ser Ser Ile Arg Trp Glu Arg Arg Pro
 35 40 45

Gln Xaa Met Cys Leu Ser Asp His Gly Ala Ser Cys Pro Ala Leu Gly
 50 55 60

Lys Thr Glu Thr Lys Ser Ser Gln Leu Ala Leu Gly Glu Gly Leu Phe
 65 70 75 80

Pro Leu Pro Leu Ala His Phe Gln Glu Phe Asp Ser Glu Ser Arg Ala
 85 90 95

Ala Val Pro Gly Arg Val Cys Thr His Ile Cys Val Gly Arg Lys Lys
 100 105 110

Arg Thr

<210> 1176

<211> 188

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (182)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1176

Gln Arg Leu Glu Ser Gly Asp Cys Ile Gly Val Leu Asp Cys Glu Trp
1 5 10 15

Cys Met Val Asp Ser Asp Gly Lys Thr His Leu Asp Lys Pro Tyr Cys
20 25 30

Ala Pro Gln Lys Glu Cys Phe Gly Gly Ile Val Gly Ala Lys Ser Pro
35 40 45

Tyr Val Asp Asp Met Gly Ala Ile Gly Asp Glu Val Ile Thr Leu Asn
50 55 60

Met Ile Lys Ser Ala Pro Val Gly Pro Val Ala Gly Gly Ile Met Gly
65 70 75 80

Cys Ile Met Val Leu Val Leu Ala Val Tyr Ala Tyr Arg His Gln Ile
85 90 95

His Arg Arg Ser His Gln His Met Ser Pro Leu Ala Ala Gln Glu Met
100 105 110

Ser Val Arg Met Ser Asn Leu Glu Asn Asp Arg Asp Glu Arg Asp Asp
115 120 125

Asp Ser His Glu Asp Arg Gly Ile Ile Ser Asn Thr Arg Phe Ile Ala
130 135 140

Ala Val Ile Glu Arg His Ala His Ser Pro Glu Arg Arg Arg Tyr
145 150 155 160

Trp Gly Arg Ser Gly Thr Glu Ser Asp His Gly Tyr Ser Thr Met Ser
165 170 175

Pro Gln Glu Asp Ser Xaa Lys Ser Ser Met Gln Gln
180 185

<210> 1177

<211> 95

<212> PRT

<213> Homo sapiens

<400> 1177

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His Ile Ala Lys Val Ser Cys Thr Leu Leu Gln Gly Asn Val Ser Phe
 1             5             10             15

Met Ala Leu Lys His Leu Gly Lys Lys Lys Met Phe Lys Arg Ile Asn
      20             25             30

Arg Ala Val Val Cys Ile Arg Met Cys Val Ile Cys Val Phe Tyr Lys
      35             40             45

Leu Ser Ile Gly Gly Phe Arg Val Leu Lys Cys Gln His Ile Pro Ser
 50             55             60

Pro Phe Val Ser Gln Ala Asn Met Arg Glu Asn Arg Lys Val Leu Ala
 65             70             75             80

Val Gly Ile Gly Ser Ser Gly Gly Gln Met Ser Leu Pro Asp Pro
      85             90             95

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<210> 1178

<211> 197

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1178

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Asn Ser Leu Thr Leu Ala Leu Pro Arg Xaa Thr Thr Ser His Asn Ser
 1             5             10             15

Leu Thr Thr Pro Cys Tyr Thr Pro Tyr Tyr Val Ala Pro Glu Val Leu
      20             25             30

Gly Pro Glu Lys Tyr Asp Lys Ser Cys Asp Met Trp Ser Leu Gly Val
      35             40             45

Ile Met Tyr Ile Leu Leu Cys Gly Tyr Pro Pro Phe Tyr Ser Asn His
 50             55             60

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Gly Leu Ala Ile Ser Pro Gly Met Lys Thr Arg Ile Arg Met Gly Gln
65 70 75 80

Tyr Glu Phe Pro Asn Pro Glu Trp Ser Glu Val Ser Glu Glu Val Lys
85 90 95

Met Leu Ile Arg Asn Leu Leu Lys Thr Glu Pro Thr Gln Arg Met Thr
100 105 110

Ile Thr Glu Phe Met Asn His Pro Trp Ile Met Gln Ser Thr Lys Val
115 120 125

Pro Gln Thr Pro Leu His Thr Ser Arg Val Leu Lys Glu Asp Lys Glu
130 135 140

Arg Trp Glu Asp Val Lys Glu Glu Met Thr Ser Ala Leu Ala Thr Met
145 150 155 160

Arg Val Asp Tyr Glu Gln Ile Lys Ile Lys Lys Ile Glu Asp Ala Ser
165 170 175

Asn Pro Leu Leu Leu Lys Arg Arg Lys Lys Ala Arg Ala Leu Glu Ala
180 185 190

Ala Ala Leu Ala His
195

<210> 1179

<211> 249

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (109)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (224)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (226)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1179

His	Glu	Arg	Ile	His	Thr	Gly	Glu	Lys	Pro	Tyr	Lys	Cys	Lys	Glu	Cys
1				5				10						15	

Arg	Lys	Thr	Phe	Ser	Gln	Met	Thr	His	Leu	Thr	Gln	His	Gln	Thr	Thr
			20					25					30		

His	Thr	Arg	Glu	Lys	Phe	His	Glu	Cys	Ser	Glu	Cys	Gly	Lys	Ala	Phe
		35					40					45			

Ser	Arg	Val	Ser	Ala	Leu	Ile	Asp	His	Gln	Arg	Ile	His	Ser	Gly	Glu
	50					55					60				

Xaa	Pro	Tyr	Glu	Cys	Lys	Xaa	Cys	Gly	Arg	Ala	Phe	Thr	Gln	Ser	Ala
65					70					75					80

Gln	Leu	Ile	Xaa	His	Gln	Lys	Thr	His	Ser	Gly	Glu	Lys	Pro	Tyr	Glu
				85					90					95	

Cys	Ser	Lys	Cys	Lys	Lys	Ser	Phe	Val	His	Leu	Ser	Xaa	Leu	Ile	Glu
		100						105					110		

His	Trp	Arg	Ile	His	Thr	Gly	Glu	Lys	Pro	Tyr	Gln	Cys	Lys	Asp	Cys
		115					120					125			

Lys	Lys	Thr	Phe	Cys	Arg	Val	Met	Gln	Phe	Thr	Leu	His	Arg	Arg	Ile
	130					135					140				

His	Thr	Gly	Glu	Lys	Pro	Tyr	Glu	Cys	Lys	Glu	Cys	Gly	Lys	Ser	Phe
145					150					155					160

Ser	Ala	His	Ser	Ser	Leu	Val	Thr	His	Lys	Arg	Thr	His	Ser	Gly	Glu
			165						170					175	

Lys	Pro	Tyr	Lys	Cys	Lys	Glu	Cys	Gly	Lys	Ala	Phe	Ser	Ala	His	Ser
			180					185						190	

Ser Leu Val Thr His Lys Arg Thr His Ser Gly Glu Lys Pro Tyr Thr
 195 200 205

Cys His Ala Cys Gly Lys Ala Phe Asn Thr Ser Ser Thr Leu Cys Xaa
 210 215 220

His Xaa Arg Ile His Thr Gly Glu Lys Pro Phe Gln Cys Ser Gln Cys
 225 230 235 240

Gly Lys Ser Leu Val Phe Ser Cys Arg
 245

<210> 1180

<211> 377

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (324)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (360)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (362)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1180

Glu Asp Arg Glu Ala Glu Pro Gln Ile Ala Ala Xaa Asn Leu Lys Phe
 1 5 10 15

Gln Gly Ala Ser Asn Leu Thr Leu Ser Glu Thr Gln Asn Gly Asp Val
 20 25 30

Ser Glu Glu Thr Met Gly Ser Arg Lys Val Lys Lys Ser Lys Gln Lys
 35 40 45

Pro Met Asn Val Gly Leu Ser Glu Thr Gln Asn Gly Gly Met Ser Gln
 50 55 60

Glu Ala Val Gly Asn Ile Lys Val Thr Lys Ser Pro Gln Lys Ser Thr
 65 70 75 80
 Val Leu Ser Asn Gly Glu Ala Ala Met Gln Ser Ser Asn Ser Glu Ser
 85 90 95
 Lys Lys Lys Lys Lys Lys Lys Arg Lys Met Val Asn Asp Ala Glu Pro
 100 105 110
 Asp Thr Lys Lys Ala Lys Thr Glu Asn Lys Gly Lys Ser Glu Glu Glu
 115 120 125
 Ser Ala Glu Thr Thr Lys Glu Thr Glu Asn Asn Val Glu Lys Pro Asp
 130 135 140
 Asn Asp Glu Asp Glu Ser Glu Val Pro Ser Leu Pro Leu Gly Leu Thr
 145 150 155 160
 Gly Ala Phe Glu Asp Thr Ser Phe Ala Ser Leu Cys Asn Leu Val Asn
 165 170 175
 Glu Asn Thr Leu Lys Ala Ile Lys Glu Met Gly Phe Thr Asn Met Thr
 180 185 190
 Glu Ile Gln His Lys Ser Ile Arg Pro Leu Leu Glu Gly Arg Asp Leu
 195 200 205
 Leu Ala Ala Ala Lys Thr Gly Ser Gly Lys Thr Leu Ala Phe Leu Ile
 210 215 220
 Pro Ala Val Glu Leu Ile Val Lys Leu Arg Phe Met Pro Arg Asn Gly
 225 230 235 240
 Thr Gly Val Leu Ile Leu Ser Pro Thr Arg Glu Leu Ala Met Gln Thr
 245 250 255
 Phe Gly Val Leu Lys Glu Leu Met Thr His His Val His Thr Tyr Gly
 260 265 270
 Leu Ile Met Gly Gly Ser Asn Arg Ser Ala Glu Ala Gln Lys Leu Gly
 275 280 285
 Asn Gly Ile Asn Ile Ile Val Ala Thr Pro Gly Arg Leu Leu Asp His
 290 295 300
 Met Gln Asn Thr Pro Gly Phe Met Tyr Lys Asn Leu Gln Cys Leu Val
 305 310 315 320
 Ile Asp Glu Xaa Asp Arg Ile Leu Asp Val Gly Phe Glu Glu Glu Leu
 325 330 335

Lys Gln Ile Ile Lys Leu Leu Pro Thr Arg Arg Gln Thr Met Leu Phe
340 345 350

Ser Ala Thr Gln Thr Arg Lys Xaa Glu Xaa Leu Ala Arg Ile Ser Leu
355 360 365

Lys Lys Glu Pro Leu Val Cys Trp Arg
370 375

<210> 1181

<211> 422

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (248)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1181

Ser His Leu Leu Gln Thr Thr Tyr Pro Lys Gln Arg Met Pro Asp Arg
 1 5 10 15

Arg His Ser Lys Ser Ala Gln Ile Ile Xaa Xaa Pro Val Pro Tyr Gln
 20 25 30

Xaa Xaa Ser His Thr Ser Tyr Leu Tyr Thr Gln Tyr Ala Pro Val Pro
 35 40 45

Phe Gly Ile Pro Xaa Pro Met Pro Xaa Pro Met Leu Ile Pro Ser Ser
 50 55 60

Met Asp Ser Glu Asp Lys Val Thr Glu Ser Ile Glu Asp Ile Lys Glu
 65 70 75 80

Lys Leu Pro Thr His Pro Phe Glu Ala Asp Leu Leu Glu Met Ala Glu
 85 90 95

Met Ile Ala Glu Asp Glu Glu Lys Lys Thr Leu Ser Gln Gly Glu Ser
 100 105 110

Gln Thr Ser Glu His Glu Leu Phe Leu Asp Thr Lys Ile Phe Glu Lys
 115 120 125

Xaa Gln Gly Ser Thr Tyr Ser Gly Asp Leu Glu Ser Glu Ala Val Ser
 130 135 140

Thr Pro His Ser Trp Glu Glu Glu Leu Asn His Tyr Ala Leu Lys Ser
 145 150 155 160

Asn Ala Val Gln Glu Ala Asp Ser Glu Leu Lys Gln Phe Ser Lys Gly
 165 170 175

Glu Thr Glu Arg Thr Trp Lys Gln Ile Phe His Gln Thr Pro Leu Thr
 180 185 190

His Leu Ile Lys Asp Gly Asn Pro Gly Thr Phe Pro Asn Arg Arg Arg
 195 200 205

His Arg Asp Gly Phe Pro Gln Pro Arg Arg Arg Gly Arg Lys Lys Ser
 210 215 220

Ile Val Ala Val Glu Pro Arg Ser Leu Ile Gln Gly Ala Phe Gln Gly
 225 230 235 240

Cys Ser Val Ser Gly Met Thr Xaa Lys Tyr Met Tyr Gly Val Asn Ala
245 250 255

Trp Lys Asn Trp Val Gln Trp Lys Asn Ala Lys Glu Glu Gln Gly Asp
260 265 270

Leu Lys Cys Gly Gly Val Glu Gln Ala Ser Ser Ser Pro Arg Ser Asp
275 280 285

Pro Leu Gly Ser Thr Gln Asp His Ala Leu Ser Gln Glu Ser Ser Glu
290 295 300

Pro Gly Cys Arg Val Arg Ser Ile Lys Leu Lys Glu Asp Ile Leu Ser
305 310 315 320

Cys Thr Phe Ala Glu Leu Ser Leu Gly Leu Cys Gln Phe Ile Gln Glu
325 330 335

Val Arg Arg Pro Asn Gly Glu Lys Tyr Asp Pro Asp Ser Ile Leu Tyr
340 345 350

Leu Cys Leu Gly Ile Gln Gln Tyr Leu Phe Glu Asn Gly Arg Ile Asp
355 360 365

Asn Ile Phe Thr Glu Pro Tyr Ser Arg Phe Met Ile Glu Leu Thr Lys
370 375 380

Leu Leu Lys Ile Trp Glu Pro Thr Ile Leu Pro Asn Gly Tyr Met Phe
385 390 395 400

Ser Arg Ile Glu Glu Glu His Leu Trp Glu Cys Lys Gln Leu Gly Ala
405 410 415

Tyr Ser Pro Ile Ala Phe
420

<210> 1182

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1182

Lys Thr Gly Ala Cys Pro Glu Asp Xaa Lys Tyr Cys Pro Gln Ser Ser
1 5 10 15

Arg Tyr Lys Thr Gly Leu Glu Pro Xaa Gly
20 25

<210> 1183

<211> 17

<212> PRT

<213> Homo sapiens

<400> 1183

Gly Gln Glu Ile Glu Thr Val Leu Ala Asn Met Val Lys Pro Arg Leu
1 5 10 15

Tyr

<210> 1184

<211> 165

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (158)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1184

Cys Asp Ser Trp Asn Ala Val Met Ser Thr Leu Cys Pro Pro Pro Ser
1 5 10 15

Pro Ala Val Ala Lys Thr Glu Ile Ala Leu Ser Gly Lys Ser Pro Leu
20 25 30

Leu Ala Ala Thr Phe Ala Tyr Trp Asp Asn Ile Leu Gly Pro Arg Val
35 40 45

Arg His Ile Trp Ala Pro Lys Thr Glu Gln Val Leu Leu Ser Asp Gly
50 55 60

Glu Ile Thr Phe Leu Ala Asn His Thr Leu Asn Gly Glu Ile Leu Arg
65 70 75 80

Asn Ala Glu Ser Gly Ala Ile Asp Val Lys Phe Phe Val Leu Ser Glu
85 90 95

Lys Gly Val Ile Ile Val Ser Leu Ile Phe Asp Gly Asn Trp Asn Gly
100 105 110

Asp Arg Ser Thr Tyr Gly Leu Ser Ile Ile Leu Pro Gln Thr Glu Leu
115 120 125

Ser Phe Tyr Leu Pro Leu His Arg Val Cys Val Asp Arg Leu Thr His
130 135 140

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Ile Ile Arg Lys Gly Arg Ile Trp Met His Lys Glu Arg Xaa Glu Met  
145                      150                      155                      160
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Ser Arg Arg Leu Ser
165

<210> 1185

$\langle 211 \rangle$ 110

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1185

Gly Thr Ala Phe Thr Arg Gln Cys Ser Gln Gly Pro Trp Tyr Arg Ala
1 5 10 15

Arg Ser Arg Val Pro Gln Val Val Arg Leu Pro Gly Pro His Leu Glu
20 25 30

Pro Ser Leu Cys Ser Phe Glu Ser Arg Cys Cys Pro Thr Pro Ile Pro
35 40 45

Asn Gln Pro Pro Pro Pro Ala Ser Leu Pro Ser Val Pro Phe Ile Leu
 50 55 60

Pro Gly Val Pro Ser Ala Cys His Gly Thr Ala Cys Tyr Leu Xaa Gln
 65 70 75 80

Leu Gln Met Pro Ala Leu Asn Leu Pro Trp Xaa Pro Phe Leu Tyr Xaa
 85 90 95

Val Asn Ser Leu Asn Ser Ala Leu Pro Leu Pro Ala Leu Lys
 100 105 110

<210> 1186

<211> 352

<212> PRT

<213> Homo sapiens

<400> 1186

Cys Arg Ser Pro Glu Ala Ser Val Leu Phe Pro Glu Val Ser Gly Leu
 1 5 10 15

Gly Gln Pro Pro Ser Ser Ser Leu Arg Met Ala Ser Ser Ser Gly Ser
 20 25 30

Lys Ala Glu Phe Ile Val Gly Gly Lys Tyr Lys Leu Val Arg Lys Ile
 35 40 45

Gly Ser Gly Ser Phe Gly Asp Ile Tyr Leu Ala Ile Asn Ile Thr Asn
 50 55 60

Gly Glu Glu Val Ala Val Lys Leu Glu Ser Gln Lys Ala Arg His Pro
 65 70 75 80

Gln Leu Leu Tyr Glu Ser Lys Leu Tyr Lys Ile Leu Gln Gly Gly Val
 85 90 95

Gly Ile Pro His Ile Arg Trp Tyr Gly Gln Glu Lys Asp Tyr Asn Val
 100 105 110

Leu Val Met Asp Leu Leu Gly Pro Ser Leu Glu Asp Leu Phe Asn Phe
 115 120 125

Cys Ser Arg Arg Phe Thr Met Lys Thr Val Leu Met Leu Ala Asp Gln
 130 135 140

Met Ile Ser Arg Ile Glu Tyr Val His Thr Lys Asn Phe Ile His Arg
 145 150 155 160

Asp Ile Lys Pro Asp Asn Phe Leu Met Gly Ile Gly Arg His Cys Asn

165										170					175				
Lys	Leu	Phe	Leu	Ile	Asp	Phe	Gly	Leu	Ala	Lys	Lys	Tyr	Arg	Asp	Asn				
			180						185					190					
Arg	Thr	Arg	Gln	His	Ile	Pro	Tyr	Arg	Glu	Asp	Lys	Asn	Leu	Thr	Gly				
			195					200				205							
Thr	Ala	Arg	Tyr	Ala	Ser	Ile	Asn	Ala	His	Leu	Gly	Ile	Glu	Gln	Ser				
	210						215					220							
Arg	Arg	Asp	Asp	Met	Glu	Ser	Leu	Gly	Tyr	Val	Leu	Met	Tyr	Phe	Asn				
225						230				235					240				
Arg	Thr	Ser	Leu	Pro	Trp	Gln	Gly	Leu	Lys	Ala	Ala	Thr	Lys	Lys	Gln				
				245					250					255					
Lys	Tyr	Glu	Lys	Ile	Ser	Glu	Lys	Lys	Met	Ser	Thr	Pro	Val	Glu	Val				
			260					265						270					
Leu	Cys	Lys	Gly	Phe	Pro	Ala	Glu	Phe	Ala	Met	Tyr	Leu	Asn	Tyr	Cys				
		275					280						285						
Arg	Gly	Leu	Arg	Phe	Glu	Glu	Ala	Pro	Asp	Tyr	Met	Tyr	Leu	Arg	Gln				
	290					295					300								
Leu	Phe	Arg	Ile	Leu	Phe	Arg	Thr	Leu	Asn	His	Gln	Tyr	Asp	Tyr	Thr				
305					310					315					320				
Phe	Asp	Trp	Asp	Asn	Val	Lys	Ala	Glu	Ser	Ser	Thr	Ala	Gly	Ser	Leu				
				325					330					335					
Phe	Gln	Trp	Ala	Gly	Ser	Ala	Gly	Pro	Asn	Pro	His	Arg	Gln	Ala	Asn				
		340						345					350						

<210> 1187

<211> 482

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (259)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (450)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (459)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (475)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1187

Ala	Gly	Leu	Val	Ala	Ala	Gly	Ala	Val	Arg	Xaa	Leu	Tyr	Pro	Ala	Ser
1				5					10					15	

Arg	Ala	Gly	Glu	Arg	Thr	Arg	Val	Pro	Gly	Ser	Pro	Ala	Pro	Xaa	Ser
			20					25						30	

Leu	Pro	Leu	His	Ser	Pro	Gly	Ala	Cys	Gly	Thr	Glu	Val	Asp	Met	Asp
		35					40					45			

Pro	Gln	Arg	Ser	Pro	Leu	Leu	Glu	Val	Lys	Gly	Asn	Ile	Glu	Leu	Lys
	50					55					60				

Arg	Pro	Leu	Ile	Lys	Ala	Pro	Ser	Gln	Leu	Pro	Leu	Ser	Gly	Ser	Arg
65					70					75					80

Leu	Lys	Arg	Arg	Pro	Asp	Gln	Met	Glu	Asp	Gly	Leu	Glu	Pro	Glu	Lys
				85					90					95	

Lys	Arg	Thr	Arg	Gly	Leu	Gly	Ala	Xaa	Thr	Lys	Ile	Thr	Thr	Ser	His
				100				105						110	

Pro Arg Val Pro Ser Leu Thr Thr Val Pro Gln Thr Gln Gly Gln Thr
 115 120 125
 Thr Ala Gln Lys Val Ser Lys Lys Thr Gly Pro Arg Cys Ser Thr Ala
 130 135 140
 Ile Ala Thr Gly Leu Lys Asn Gln Lys Pro Val Pro Ala Val Pro Val
 145 150 155 160
 Gln Lys Ser Gly Thr Ser Gly Val Pro Pro Met Ala Gly Gly Lys Lys
 165 170 175
 Pro Ser Lys Arg Pro Ala Trp Asp Leu Lys Gly Gln Leu Cys Asp Leu
 180 185 190
 Asn Ala Glu Leu Lys Arg Cys Arg Glu Arg Thr Gln Thr Leu Asp Gln
 195 200 205
 Glu Asn Gln Gln Leu Gln Asp Gln Leu Arg Asp Ala Gln Gln Gln Val
 210 215 220
 Lys Ala Leu Gly Thr Glu Arg Thr Thr Leu Glu Gly His Leu Ala Lys
 225 230 235 240
 Val Gln Ala Gln Ala Glu Gln Gly Gln Gln Glu Leu Lys Asn Leu Arg
 245 250 255
 Ala Cys Xaa Leu Glu Leu Glu Glu Arg Leu Ser Thr Gln Glu Gly Leu
 260 265 270
 Val Gln Glu Leu Gln Lys Lys Gln Val Glu Leu Gln Glu Glu Arg Arg
 275 280 285
 Gly Leu Met Ser Gln Leu Glu Glu Lys Glu Arg Arg Leu Gln Thr Ser
 290 295 300
 Glu Ala Ala Leu Ser Ser Ser Gln Ala Glu Val Ala Ser Leu Arg Gln
 305 310 315 320
 Glu Thr Val Ala Gln Ala Ala Leu Leu Thr Glu Arg Glu Glu Arg Leu
 325 330 335
 His Gly Leu Glu Met Glu Arg Arg Arg Leu His Asn Gln Leu Gln Glu
 340 345 350
 Leu Lys Gly Asn Ile Arg Val Phe Cys Arg Val Arg Pro Val Leu Pro
 355 360 365
 Gly Glu Pro Thr Pro Pro Pro Gly Leu Leu Leu Phe Pro Ser Gly Pro
 370 375 380

Gly Gly Pro Ser Asp Pro Pro Thr Arg Leu Ser Leu Ser Arg Ser Asp
 385 390 395 400
 Glu Arg Arg Gly Thr Leu Ser Gly Ala Pro Ala Pro Pro Thr Arg His
 405 410 415
 Asp Phe Ser Phe Asp Arg Val Phe Pro Pro Gly Ser Gly Gln Asp Glu
 420 425 430
 Val Phe Glu Glu Ile Ala Met Leu Val Gln Ser Ala Leu Asp Gly Tyr
 435 440 445
 Pro Xaa Cys Ile Phe Ala Tyr Gly Gln Thr Xaa Ser Gly Lys Thr Phe
 450 455 460
 Thr Met Glu Gly Gly Leu Gly Glu Thr Pro Xaa Gly Arg Ala Asp Pro
 465 470 475 480
 Ser Gly

<210> 1188

<211> 345

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (175)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1188

Thr Ala Ser Leu Ser Asn Ala Val Lys Ile Leu Leu Arg Trp Val Thr
 1 5 10 15
 Arg Tyr Ser Cys Pro Arg Ala Phe Val Thr Gly Met Pro Lys Arg Gly
 20 25 30
 Lys Lys Gly Ala Val Ala Glu Asp Gly Asp Glu Leu Arg Thr Glu Pro
 35 40 45
 Glu Ala Lys Lys Ser Lys Thr Ala Ala Lys Lys Asn Asp Lys Glu Ala
 50 55 60
 Ala Gly Glu Gly Pro Ala Leu Tyr Glu Asp Pro Pro Asp Gln Lys Thr
 65 70 75 80
 Ser Pro Ser Gly Lys Pro Ala Thr Leu Lys Ile Cys Ser Trp Asn Val
 85 90 95

Asp Gly Leu Arg Ala Trp Ile Lys Lys Lys Gly Leu Asp Trp Val Lys
100 105 110

Glu Glu Ala Pro Asp Ile Leu Cys Leu Gln Glu Thr Lys Cys Ser Glu
115 120 125

Asn Lys Leu Pro Ala Glu Leu Gln Glu Leu Pro Gly Leu Ser His Gln
130 135 140

Tyr Trp Ser Ala Pro Ser Asp Lys Glu Gly Tyr Ser Gly Val Gly Leu
145 150 155 160

Leu Ser Arg Gln Cys Pro Leu Lys Val Ser Tyr Gly Ile Gly Xaa Glu
165 170 175

Glu His Asp Gln Glu Gly Arg Val Ile Val Ala Glu Phe Asp Ser Phe
180 185 190

Val Leu Val Thr Ala Tyr Val Pro Asn Ala Gly Arg Gly Leu Val Arg
195 200 205

Leu Glu Tyr Arg Gln Arg Trp Asp Glu Ala Phe Arg Lys Phe Leu Lys
210 215 220

Gly Leu Ala Ser Arg Lys Pro Leu Val Leu Cys Gly Asp Leu Asn Val
225 230 235 240

Ala His Glu Glu Ile Asp Leu Arg Asn Pro Lys Gly Asn Lys Lys Asn
245 250 255

Ala Gly Phe Thr Pro Gln Glu Arg Gln Gly Phe Gly Glu Leu Leu Gln
260 265 270

Ala Val Pro Leu Ala Asp Ser Phe Arg His Leu Tyr Pro Asn Thr Pro
275 280 285

Tyr Ala Tyr Thr Phe Trp Thr Tyr Met Met Asn Ala Arg Ser Lys Asn
290 295 300

Val Gly Trp Arg Leu Asp Tyr Phe Leu Leu Ser His Ser Leu Leu Pro
305 310 315 320

Ala Leu Cys Asp Ser Lys Ile Arg Ser Lys Ala Leu Gly Ser Asp His
325 330 335

Cys Pro Ile Thr Leu Tyr Leu Ala Leu
340 345

<210> 1189
<211> 136
<212> PRT
<213> Homo sapiens

<400> 1189

Asp	Ile	Ser	Thr	Pro	Ser	Leu	Thr	Thr	Asp	His	Ala	Pro	Leu	Thr	Ile
1					5				10					15	
Ser	Leu	Lys	Pro	Asn	His	Pro	Tyr	Arg	Thr	Gln	Cys	Gln	Tyr	Pro	Ile
			20					25					30		
Pro	Gln	His	Ala	Leu	Lys	Arg	Leu	Lys	Pro	Val	Ile	Ile	Arg	Leu	Leu
		35					40						45		
Gln	His	Gly	Leu	Leu	Asn	Pro	Ile	Asn	Ser	Pro	Tyr	Asn	Ser	Pro	Ile
	50					55					60				
Phe	Pro	Val	Leu	Lys	Arg	Asp	Lys	Pro	Tyr	Lys	Leu	Val	Gln	Asp	Leu
65					70					75					80
Arg	Leu	Ile	Asn	Gln	Ile	Val	Leu	Pro	Ile	His	Pro	Val	Val	Pro	Asn
				85					90						95
Pro	Tyr	Thr	Leu	Leu	Ser	Ser	Ile	Pro	Pro	Ser	Thr	Thr	His	Tyr	Ser
			100					105						110	
Val	Leu	Asp	Leu	Arg	His	Ala	Phe	Phe	Thr	Ile	Ala	Leu	His	Pro	Ser
		115					120						125		
Ser	Gln	Pro	Leu	Phe	Ala	Phe	Thr								
	130						135								

<210> 1190
<211> 128
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1190

Leu Xaa Gln Lys Thr Gln Pro Thr His Glu Lys Xaa Ala Xaa Ser Phe
1 5 10 15

Leu Gly Met Val Cys Ile Trp Val Xaa Ser Ile Gln Thr Ser Ile Asn
20 25 30

Thr Ser Phe Ile Leu Gly Leu Pro Asn Ser Phe Pro Gln Asp Leu Lys
35 40 45

Thr Ile Thr Met Ile Lys Val Ser Phe Ala Pro Cys Gln Arg Leu Gly
50 55 60

Pro Leu Pro Phe Pro Ser Arg Gln Tyr Ser Val Gln Leu Gly Leu Val
65 70 75 80

Pro Ser Leu Ser Val Arg Thr Glu Phe His Pro Arg Phe Ser Thr Gln
85 90 95

Ala Leu Cys Ser Gly Lys Val Lys Pro Ser Leu Lys Gly Ser Lys Ser
100 105 110

Ser Ala Ile Asp Arg Ala Ala Gly Gly Lys Arg Ser Arg Cys Ile Arg
115 120 125

<210> 1191

<211> 236

<212> PRT

<213> Homo sapiens

<400> 1191

Arg Ala Gly Ser Val Lys Arg Arg Gln Arg Gly Lys Met Ala Ala Ala
1 5 10 15

Val Pro Gln Arg Ala Trp Thr Val Glu Gln Leu Arg Ser Glu Gln Leu
20 25 30

Pro Lys Lys Asp Ile Ile Lys Phe Leu Gln Glu His Gly Ser Asp Ser
 35 40 45
 Phe Leu Ala Glu His Lys Leu Leu Gly Asn Ile Lys Asn Val Ala Lys
 50 55 60
 Thr Ala Asn Lys Asp His Leu Val Thr Ala Tyr Asn His Leu Phe Glu
 65 70 75 80
 Thr Lys Arg Phe Lys Gly Thr Glu Ser Ile Ser Lys Val Ser Glu Gln
 85 90 95
 Val Lys Asn Val Lys Leu Asn Glu Asp Lys Pro Lys Glu Thr Lys Ser
 100 105 110
 Glu Glu Thr Leu Asp Glu Gly Pro Pro Lys Tyr Thr Lys Ser Val Leu
 115 120 125
 Lys Lys Gly Asp Lys Thr Asn Phe Pro Lys Lys Gly Asp Val Val His
 130 135 140
 Cys Trp Tyr Thr Gly Thr Leu Gln Asp Gly Thr Val Phe Asp Thr Asn
 145 150 155 160
 Ile Gln Thr Ser Ala Lys Lys Lys Lys Asn Ala Lys Pro Leu Ser Phe
 165 170 175
 Lys Val Gly Val Gly Lys Val Ile Arg Gly Trp Asp Glu Ala Leu Leu
 180 185 190
 Thr Met Ser Lys Gly Glu Lys Ala Arg Leu Glu Ile Glu Pro Glu Trp
 195 200 205
 Ala Tyr Gly Lys Lys Gly Gln Pro Asp Ala Lys Ile Pro Pro Asn Ala
 210 215 220
 Lys Leu Thr Phe Glu Val Glu Leu Val Asp Ile Asp
 225 230 235

<210> 1192

<211> 204

<212> PRT

<213> Homo sapiens

<400> 1192

Pro Ala Met Glu Ala Glu Ala Gly Gly Leu Glu Glu Leu Thr Asp Glu
 1 5 10 15
 Glu Met Ala Ala Leu Gly Lys Glu Glu Leu Val Arg Arg Leu Arg Arg

20	25	30
Glu Glu Ala Ala Arg Leu Ala Ala Leu Val Gln Arg Gly Arg Leu Met		
35	40	45
Gln Glu Val Asn Arg Gln Leu Gln Gly His Leu Gly Glu Ile Arg Glu		
50	55	60
Leu Lys Gln Leu Asn Arg Arg Leu Gln Ala Glu Asn Arg Glu Leu Arg		
65	70	75
Asp Leu Cys Cys Phe Leu Asp Ser Glu Arg Gln Arg Gly Arg Arg Ala		
85	90	95
Ala Arg Gln Trp Gln Leu Phe Gly Thr Gln Ala Ser Arg Ala Val Arg		
100	105	110
Glu Asp Leu Gly Gly Cys Trp Gln Lys Leu Ala Glu Leu Glu Gly Arg		
115	120	125
Gln Glu Glu Leu Leu Arg Glu Asn Leu Ala Leu Lys Glu Leu Cys Leu		
130	135	140
Ala Leu Gly Glu Glu Trp Gly Pro Arg Gly Gly Pro Ser Gly Ala Gly		
145	150	155
Gly Ser Gly Ala Gly Pro Ala Pro Glu Leu Ala Leu Pro Pro Cys Gly		
165	170	175
Pro Arg Asp Leu Gly Asp Gly Ser Ser Ser Thr Gly Ser Val Gly Ser		
180	185	190
Pro Asp Gln Leu Pro Leu Ala Cys Ser Pro Asp Asp		
195	200	

<210> 1193

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1193

Ser Gln Gln Thr Glu Leu Ile Thr Val Ile Leu Gly Val Phe Phe Cys
 1 5 10 15

Arg Val Lys His Val Asn Ile Leu His Arg His Lys Tyr Lys His Asp
 20 25 30

Lys His Trp Thr Trp Lys Met Gly Ser Lys Phe Cys Thr Cys Ala Phe
 35 40 45

Leu Tyr Phe Cys Cys Ile Phe Xaa Ser Cys Xaa Phe Ala Lys Tyr Ile
 50 55 60

Ile Asn
 65

<210> 1194

<211> 305

<212> PRT

<213> Homo sapiens

<400> 1194

Thr Cys Ala Gly Pro Arg Gly Ala Ala Cys Gly Arg Leu Arg Leu Pro
 1 5 10 15

Ala Ala Gly Ala Leu Leu Pro Ala Ala Gln Arg Arg Val His Arg Tyr
 20 25 30

Glu Glu Ser Glu Val Ile Ser Leu Pro Phe Leu Asp Gln Leu Val Ser
 35 40 45

Thr Leu Val Gly Leu Leu Ser Pro His Asn Pro Ala Leu Ala Ala Ala
 50 55 60

Ala Leu Asp Tyr Arg Cys Pro Val His Phe Tyr Trp Val Arg Gly Glu
 65 70 75 80

Glu Ile Ile Pro Arg Gly His Arg Arg Gly Arg Ile Asp Asp Leu Arg
 85 90 95

Tyr Gln Ile Asp Asp Lys Pro Asn Asn Gln Ile Arg Ile Ser Lys Gln
 100 105 110

Leu Ala Glu Phe Val Pro Leu Asp Tyr Ser Val Pro Ile Glu Ile Pro
 115 120 125

Thr Ile Lys Cys Lys Pro Asp Lys Leu Pro Leu Phe Lys Arg Gln Tyr
 130 135 140

Glu Asn His Ile Phe Val Gly Ser Lys Thr Ala Asp Pro Cys Cys Tyr
145 150 155 160

Gly His Thr Gln Phe His Leu Leu Pro Asp Lys Leu Arg Arg Glu Arg
165 170 175

Leu Leu Arg Gln Asn Cys Ala Asp Gln Ile Glu Val Val Phe Arg Ala
180 185 190

Asn Ala Ile Ala Ser Leu Phe Ala Trp Thr Gly Ala Gln Ala Met Tyr
195 200 205

Gln Gly Phe Trp Ser Glu Ala Asp Val Thr Arg Pro Phe Val Ser Gln
210 215 220

Ala Val Ile Thr Asp Gly Lys Tyr Phe Ser Phe Phe Cys Tyr Gln Leu
225 230 235 240

Asn Thr Leu Ala Leu Thr Thr Gln Ala Asp Gln Asn Asn Pro Arg Lys
245 250 255

Asn Ile Cys Trp Gly Thr Gln Ser Lys Pro Leu Tyr Glu Thr Ile Glu
260 265 270

Asp Asn Asp Val Lys Gly Phe Asn Asp Asp Val Leu Leu Gln Ile Val
275 280 285

His Phe Leu Leu Asn Arg Pro Lys Glu Glu Lys Ser Gln Leu Leu Glu
290 295 300

Asn
305

<210> 1195

<211> 102

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1195

Gly Arg Ala Ala Pro Gln Leu Gln Asp Leu Ala Ser Ser Cys Pro Gln
 1 5 10 15
 Glu Glu Val Ser Gln Gln Gln Glu Ser Val Ser Xaa Leu Pro Ala Ser
 20 25 30
 Val His Pro Gln Leu Xaa His Gly Arg Ala Trp Arg Pro Ser Thr Cys
 35 40 45
 Ser Thr Asp Ser Arg Ser Pro Ala Phe Cys Gln Arg Pro Arg Thr Pro
 50 55 60
 Val Ser Ile Cys Cys Arg Ile Lys Arg Leu Phe Leu Gln Lys Gln Ser
 65 70 75 80
 Gln Leu Gln Ala Tyr Phe Asn Gln Met Gln Ile Ala Glu Ser Ser Tyr
 85 90 95
 Pro Gln Pro Ser Gln Gln
 100

<210> 1196

<211> 123

<212> PRT

<213> Homo sapiens

<400> 1196

Ala Arg Gly Pro Ala Ala Ala Cys Pro Leu Arg Trp Pro Pro Ala Ala
 1 5 10 15
 Ala Arg Ala Met Ala Gly Lys Ala His Arg Leu Ser Ala Glu Glu Arg
 20 25 30
 Asp Gln Leu Leu Pro Asn Leu Arg Ala Val Gly Trp Asn Glu Leu Glu
 35 40 45
 Gly Arg Asp Ala Ile Phe Lys Gln Phe His Phe Lys Asp Phe Asn Arg
 50 55 60
 Ala Phe Gly Phe Met Thr Arg Val Ala Leu Gln Ala Glu Lys Leu Asp
 65 70 75 80
 His His Pro Glu Trp Phe Asn Val Tyr Asn Lys Val His Ile Thr Leu
 85 90 95
 Ser Thr His Glu Cys Ala Gly Leu Ser Glu Arg Asp Ile Asn Leu Ala
 100 105 110

Ser Phe Ile Glu Gln Val Ala Val Ser Met Thr
 115 120

<210> 1197

<211> 247

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1197

Ala Arg Gly Gly Gly Lys Ser Gly Arg Ala Gly Gly Ala Gly Ala Arg
 1 5 10 15

Arg Gly Gly Lys Glu Leu Arg Val Ala Ala Glu Xaa Pro Arg Xaa Gln
 20 25 30

Arg Arg Pro Thr Gln Pro Ser Arg Arg Arg Arg Ala Pro Met Ala
 35 40 45

Ala Ala Lys Asp Thr His Glu Asp His Asp Thr Ser Thr Glu Asn Thr
 50 55 60

Asp Glu Ser Asn His Asp Pro Gln Phe Glu Pro Ile Val Ser Leu Pro
 65 70 75 80

Glu Gln Glu Ile Lys Thr Leu Glu Glu Asp Glu Glu Glu Leu Phe Lys
 85 90 95

Met Arg Ala Lys Leu Phe Arg Phe Ala Ser Glu Asn Asp Leu Pro Glu
 100 105 110

Trp Lys Glu Arg Gly Thr Gly Asp Val Lys Leu Leu Lys His Lys Glu
 115 120 125

Lys Gly Ala Ile Arg Leu Leu Met Arg Arg Asp Lys Thr Leu Lys Ile
 130 135 140

Cys Ala Asn His Tyr Ile Thr Pro Met Met Glu Leu Lys Pro Asn Ala
 145 150 155 160

Gly Ser Asp Arg Ala Trp Val Trp Asn Thr His Ala Asp Phe Ala Asp
 165 170 175
 Glu Cys Pro Lys Pro Glu Leu Leu Ala Ile Arg Phe Leu Asn Ala Glu
 180 185 190
 Asn Ala Gln Lys Phe Lys Thr Lys Phe Glu Glu Cys Arg Lys Glu Ile
 195 200 205
 Glu Glu Arg Glu Lys Lys Ala Gly Ser Gly Lys Asn Asp His Ala Glu
 210 215 220
 Lys Val Ala Glu Lys Leu Glu Ala Leu Ser Val Lys Glu Glu Thr Lys
 225 230 235 240
 Glu Asp Ala Glu Glu Lys Gln
 245

<210> 1198
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 1198
 Phe Gly Phe Ser Thr Cys Ile Thr Asn Pro Ala Pro Ile Cys His Ile
 1 5 10 15
 Lys Val Cys Asp Leu Lys Phe Ser Gln His Pro His Gln Thr Leu Phe
 20 25 30
 Phe Tyr Val Phe Phe Ala Thr Tyr Glu Cys Phe Glu Asn Lys Val Pro
 35 40 45
 Met Ser Leu Leu Glu Lys Lys Lys Lys Lys Lys Lys
 50 55 60

<210> 1199
 <211> 198
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (189)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>

<221> SITE

<222> (194)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (195)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1199

Ser Asp Lys Trp Pro Thr Ala Val Arg Ala Asn Gly His Leu Leu Leu
1 5 10 15

Asn Ser Glu Lys Met Ser Lys Ser Thr Gly Asn Phe Leu Thr Leu Thr
20 25 30

Gln Ala Ile Asp Lys Phe Ser Ala Asp Gly Met Arg Leu Ala Leu Ala
35 40 45

Asp Ala Gly Asp Thr Val Glu Asp Ala Asn Phe Val Glu Ala Met Ala
50 55 60

Asp Ala Gly Ile Leu Arg Leu Tyr Thr Trp Val Glu Trp Val Lys Glu
65 70 75 80

Met Val Ala Asn Trp Asp Ser Leu Arg Ser Gly Pro Ala Ser Thr Phe
85 90 95

Asn Asp Arg Val Phe Ala Ser Glu Leu Asn Ala Gly Ile Ile Lys Thr
100 105 110

Asp Gln Asn Tyr Glu Lys Met Met Phe Lys Glu Ala Leu Lys Thr Gly
115 120 125

Phe Phe Glu Phe Gln Ala Ala Lys Asp Lys Tyr Arg Glu Leu Ala Val
130 135 140

Glu Gly Met His Arg Glu Leu Val Phe Arg Phe Ile Glu Val Gln Thr
145 150 155 160

Leu Leu Leu Ala Pro Phe Cys Pro His Leu Cys Glu Ala His Leu Gly
165 170 175

His Ser Trp Gly Lys Pro Asp Phe Asn Tyr Gly Met Xaa Ser Trp Ala
180 185 190

Cys Xaa Xaa Gly Pro Val
195

<210> 1200

<211> 174

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1200

Leu Tyr Gly Cys Glu Lys Thr Thr Glu Gly Gly Gly Arg Glu Xaa
 1 5 10 15

Ala Gly Lys Met Val Val Thr Arg Ser Ala Arg Ala Lys Ala Ser Ile
 20 25 30

Gln Ala Ala Ser Ala Glu Ser Ser Gly Gln Lys Ser Phe Ala Ala Asn
 35 40 45

Gly Ile Gln Ala His Pro Glu Ser Ser Thr Gly Ser Asp Ala Arg Thr
 50 55 60

Thr Ala Glu Ser Gln Thr Thr Gly Lys Gln Ser Leu Ile Pro Arg Thr
 65 70 75 80

Pro Lys Ala Arg Lys Arg Lys Ser Arg Thr Thr Gly Ser Leu Pro Lys
 85 90 95

Gly Thr Glu Pro Ser Thr Asp Gly Glu Thr Ser Glu Ala Glu Ser Asn
 100 105 110

Tyr Ser Val Ser Glu His His Asp Thr Ile Leu Arg Val Thr Arg Arg
 115 120 125

Arg Gln Ile Leu Ile Ala Cys Ser Pro Val Ser Ser Val Arg Lys Lys
 130 135 140

Pro Lys Val Thr Pro Thr Lys Glu Ser Tyr Thr Glu Glu Ile Val Ser
 145 150 155 160

Glu Ala Glu Ser His Val Ser Gly Ile Ser Arg Asn Cys Ala
 165 170

<210> 1201

<211> 689

<212> PRT

<213> Homo sapiens

<400> 1201

Trp Ser Thr Glu Val Glu Pro Ser Gly Ile Ile Phe Lys Asn Ser Lys
1 5 10 15

Thr Gly Lys Val Asp Asn Ile Gln Ala Gly Glu Leu Thr Glu Gly Ile
20 25 30

Trp Arg Arg Val Ala Leu Gly His Gly Leu Lys Leu Leu Thr Lys Asn
35 40 45

Gly His Val Tyr Lys Tyr Asp Gly Phe Arg Glu Ser Glu Phe Glu Lys
50 55 60

Leu Ser Asp Phe Phe Lys Thr His Tyr Arg Leu Glu Leu Met Glu Lys
65 70 75 80

Asp Leu Cys Val Lys Gly Trp Asn Trp Gly Thr Val Lys Phe Gly Gly
85 90 95

Gln Leu Leu Ser Phe Asp Ile Gly Asp Gln Pro Val Phe Glu Ile Pro
100 105 110

Leu Ser Asn Val Ser Gln Cys Thr Thr Gly Lys Asn Glu Val Thr Leu
115 120 125

Glu Phe His Gln Asn Asp Asp Ala Glu Val Ser Leu Met Glu Val Arg
130 135 140

Phe Tyr Val Pro Pro Thr Gln Glu Asp Gly Val Asp Pro Val Glu Ala
145 150 155 160

Phe Ala Gln Asn Val Leu Ser Lys Ala Asp Val Ile Gln Ala Thr Gly
165 170 175

Asp Ala Ile Cys Ile Phe Arg Glu Leu Gln Cys Leu Thr Pro Arg Gly
180 185 190

Arg Tyr Asp Ile Arg Ile Tyr Pro Thr Phe Leu His Leu His Gly Lys
195 200 205

Thr Phe Asp Tyr Lys Ile Pro Tyr Thr Thr Val Leu Arg Leu Phe Leu
210 215 220

Leu Pro His Lys Asp Gln Arg Gln Met Phe Phe Val Ile Ser Leu Asp
225 230 235 240

Pro Pro Ile Lys Gln Gly Gln Thr Arg Tyr His Phe Leu Ile Leu Leu
245 250 255

Phe Ser Lys Asp Glu Asp Ile Ser Leu Thr Leu Asn Met Asn Glu Glu
260 265 270

Glu Val Glu Lys Arg Phe Glu Gly Arg Leu Thr Lys Asn Met Ser Gly
275 280 285

Ser Leu Tyr Glu Met Val Ser Arg Val Met Lys Ala Leu Val Asn Arg
290 295 300

Lys Ile Thr Val Pro Gly Asn Phe Gln Gly His Ser Gly Ala Gln Cys
305 310 315 320

Ile Thr Cys Ser Tyr Lys Ala Ser Ser Gly Leu Leu Tyr Pro Leu Glu
325 330 335

Arg Gly Phe Ile Tyr Val His Lys Pro Pro Val His Ile Arg Phe Asp
340 345 350

Glu Ile Ser Phe Val Asn Phe Ala Arg Gly Thr Thr Thr Thr Arg Ser
355 360 365

Phe Asp Phe Glu Ile Glu Thr Lys Gln Gly Thr Gln Tyr Thr Phe Ser
370 375 380

Ser Ile Glu Arg Glu Glu Tyr Gly Lys Leu Phe Asp Phe Val Asn Ala
385 390 395 400

Lys Lys Leu Asn Ile Lys Asn Arg Gly Leu Lys Glu Gly Met Asn Pro
405 410 415

Ser Tyr Asp Glu Tyr Ala Asp Ser Asp Glu Asp Gln His Asp Ala Tyr
420 425 430

Leu Glu Arg Met Lys Glu Glu Gly Lys Ile Arg Glu Glu Asn Ala Asn
435 440 445

Asp Ser Ser Asp Asp Ser Gly Glu Glu Thr Asp Glu Ser Phe Asn Pro
450 455 460

Gly Glu Glu Glu Glu Asp Val Ala Glu Glu Phe Asp Ser Asn Ala Ser
465 470 475 480

Ala Ser Ser Ser Ser Asn Glu Gly Asp Ser Asp Arg Asp Glu Lys Lys
485 490 495

Arg Lys Gln Leu Lys Lys Ala Lys Met Ala Lys Asp Arg Lys Ser Arg
500 505 510

Lys Lys Pro Val Glu Val Lys Lys Gly Lys Asp Pro Asn Ala Pro Lys
515 520 525

Arg Pro Met Ser Ala Tyr Met Leu Trp Leu Asn Ala Ser Arg Glu Lys
530 535 540

Ile Lys Ser Asp His Pro Gly Ile Ser Ile Thr Asp Leu Ser Lys Lys
 545 550 555 560
 Ala Gly Glu Ile Trp Lys Gly Met Ser Lys Glu Lys Lys Glu Glu Trp
 565 570 575
 Asp Arg Lys Ala Glu Asp Ala Arg Arg Asp Tyr Glu Lys Ala Met Lys
 580 585 590
 Glu Tyr Glu Gly Gly Arg Gly Glu Ser Ser Lys Arg Asp Lys Ser Lys
 595 600 605
 Lys Lys Lys Lys Val Lys Val Lys Met Glu Lys Lys Ser Thr Pro Ser
 610 615 620
 Arg Gly Ser Ser Ser Lys Ser Ser Ser Arg Gln Leu Ser Glu Ser Phe
 625 630 635 640
 Lys Ser Lys Glu Phe Val Ser Ser Asp Glu Ser Ser Ser Gly Glu Asn
 645 650 655
 Lys Ser Lys Lys Lys Arg Arg Arg Ser Glu Asp Ser Glu Glu Glu Glu
 660 665 670
 Leu Ala Ser Thr Pro Pro Ser Ser Glu Asp Ser Ala Ser Gly Ser Asp
 675 680 685
 Glu

<210> 1202

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1202

Asn Leu Ser Glu Leu Leu Gln Ala Asp Phe Leu Gly Gln Gly Glu Ile
 1 5 10 15

Met Val Leu Lys Cys Leu Ile Arg Ser His Thr Gln Phe Gln Val His
 20 25 30

Tyr Ser Lys Ser Met Xaa Thr Ala Pro Thr Ala Thr Asn Leu Leu Leu

35 40 45
 Pro Ser Arg Val Ala Cys Thr Ile Phe Ile Ala Cys Pro Gly Trp Val
 50 55 60

Gly
 65

<210> 1203
 <211> 379
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (132)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (255)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1203
 Gly Arg Leu Arg Ala Leu Ala Leu Ala Val Ser Ala Pro Gly Leu Thr
 1 5 10 15

Phe Lys Met Val His Ala Glu Ala Phe Ser Arg Pro Leu Ser Arg Asn
 20 25 30

Glu Val Val Gly Leu Ile Phe Arg Leu Thr Ile Phe Gly Ala Val Thr
 35 40 45

Tyr Phe Thr Ile Lys Trp Met Val Asp Ala Ile Asp Pro Thr Arg Lys
 50 55 60

Gln Lys Val Glu Ala Gln Lys Gln Ala Glu Lys Leu Met Lys Gln Ile
 65 70 75 80

Gly Val Lys Asn Val Lys Leu Ser Glu Tyr Glu Met Ser Ile Ala Ala
 85 90 95

His Leu Val Asp Pro Leu Asn Met His Val Thr Trp Ser Asp Ile Ala
 100 105 110

Gly Leu Asp Asp Val Ile Thr Asp Leu Lys Asp Thr Val Ile Leu Pro
 115 120 125

Ile Lys Lys Xaa His Leu Phe Glu Asn Ser Arg Leu Leu Gln Pro Pro

130	135	140
Lys Gly Val Leu Leu Tyr Gly Pro Pro Gly Cys Gly Lys Thr Leu Ile		
145	150	155 160
Ala Lys Ala Thr Ala Lys Glu Ala Gly Cys Arg Phe Ile Asn Leu Gln		
	165	170 175
Pro Ser Thr Leu Thr Asp Lys Trp Tyr Gly Glu Ser Gln Lys Leu Ala		
	180	185 190
Ala Ala Val Phe Ser Leu Ala Ile Lys Leu Gln Pro Ser Ile Ile Phe		
	195	200 205
Ile Asp Glu Ile Asp Ser Phe Leu Arg Asn Arg Ser Ser Ser Asp His		
	210	215 220
Glu Ala Thr Ala Met Met Lys Ala Gln Phe Met Ser Leu Trp Asp Gly		
	225	230 235 240
Leu Asp Thr Asp His Ser Cys Gln Val Ile Val Met Gly Ala Xaa Asn		
	245	250 255
Arg Pro Gln Asp Leu Asp Ser Ala Ile Met Arg Arg Met Pro Thr Arg		
	260	265 270
Phe His Ile Asn Gln Pro Ala Leu Lys Gln Arg Glu Ala Ile Leu Lys		
	275	280 285
Leu Ile Leu Lys Asn Glu Asn Val Asp Arg His Val Asp Leu Leu Glu		
	290	295 300
Val Ala Gln Glu Thr Asp Gly Phe Ser Gly Ser Asp Leu Lys Glu Met		
	305	310 315 320
Cys Arg Asp Ala Ala Leu Leu Cys Val Arg Glu Tyr Val Asn Ser Thr		
	325	330 335
Ser Glu Glu Ser His Asp Glu Asp Glu Ile Arg Pro Val Gln Gln Gln		
	340	345 350
Asp Leu His Arg Ala Ile Glu Lys Met Lys Lys Ser Lys Asp Ala Ala		
	355	360 365
Phe Gln Asn Val Leu Thr His Val Cys Leu Asp		
	370	375

<210> 1204

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1204

Leu Ser Xaa Pro Gly Ala Trp Phe Tyr Val Pro Val Ala Met Phe Pro
1 5 10 15

Val Ser Ser Gly Cys Phe Gln Glu Gln Gln Glu Thr Asn Lys Ser Leu
20 25 30

Thr Leu Leu Arg Cys Ser Gln Arg Asp Thr Ser Pro Leu Met Asp Gly
35 40 45

Gln Thr Trp Ala Gly Ser Val Ser Leu Asn His Pro Pro Leu Pro Gln
50 55 60

Leu Pro Thr Thr Asp Thr Ser Asp Asp Thr Pro Gly Lys
65 70 75

<210> 1205

<211> 305

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (222)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (223)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (227)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (235)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (239)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (273)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (277)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (284)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1205

Phe Thr Ser Val Ser Cys Thr Ser Thr Ser Ser Phe Ser Ser Asn Ala
1 5 10 15

Ala Gln Arg Phe Phe Leu Leu His Gly Thr Lys Cys Asn Tyr Ser Pro
20 25 30

Gly Ser Pro Val Tyr Phe Cys Tyr Glu Ser Ser Tyr Phe Asn Thr Thr
35 40 45

Ser Arg Pro Thr Ser Cys Ser Ala Val Ser Ser Ala Val Asn Ile Met
50 55 60

Asn Gly Ser Gln Met His Ile Asn Pro Ala Asn Lys Ser Leu Pro Pro
65 70 75 80

Thr Phe Gly Pro Ala Thr Leu Phe Asn His Phe Ser Ser Leu Phe Asp
85 90 95

Ser Ser Gln Val Pro Ala Asn Gln Gly Trp Gly Asp Gly Pro Leu Ser
100 105 110

Ser Arg Val Ala Thr Asp Ala Ser Phe Thr Val Gln Ser Ala Phe Leu
115 120 125

Gly Asn Ser Val Leu Gly His Leu Glu Asn Met His Pro Asp Asn Ser
130 135 140

Lys Ala Pro Gly Phe Arg Pro Pro Ser Gln Arg Val Ser Thr Ser Pro
145 150 155 160

Val Gly Leu Pro Ser Ile Asp Pro Ser Gly Ser Ser Pro Ser Ser Ser
 165 170 175
 Ser Ala Pro Leu Ala Ser Phe Ser Gly Ile Pro Gly Thr Arg Val Phe
 180 185 190
 Leu Gln Gly Pro Ala Pro Val Gly Thr Pro Ser Phe Asn Arg Gln His
 195 200 205
 Phe Ser Pro His Pro Trp Thr Ser Ala Ser Asn Ser Cys Xaa Xaa Pro
 210 215 220
 Ile Pro Xaa Val Ser Ser Gly Ser Ser Ser Xaa Leu Ser Ala Xaa Ser
 225 230 235 240
 Cys Pro Thr Asn Val Gly Ala Asn Gln Lys Gly Val Ser Ala Ser Gln
 245 250 255
 Gly Phe Gly Lys Val Thr Phe Pro Gln Leu Gly Asn Arg Arg Arg Thr
 260 265 270
 Xaa Ala Arg Ile Xaa Gly Lys Gly Gly Gly Phe Xaa Trp His Lys Ala
 275 280 285
 Pro Gly Gly Asn Gln Phe Phe Cys Ser Val Ser Leu Trp Asp Lys Val
 290 295 300
 Gly
 305

<210> 1206

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1206

Arg	Glu	His	Ser	Ala	Phe	Asp	Leu	Trp	Glu	Ile	Ser	Ser	Trp	Xaa	Pro
1				5					10					15	

Trp	Cys	Cys	Thr	Asp	His	Gln	Glu	Glu	Leu	Lys	Ser	Ser	Gly	Asn	Leu
			20					25						30	

Xaa	Lys	Ile	Lys	Ser	Pro	Pro	Ala	Arg	Xaa	Leu	Ser	Lys	Ile	Thr	Gly
	35						40					45			

Arg	Leu	Leu	Xaa	Gln	His	Val	Xaa	Glu	Cys	Ala	Ser	Gly
	50					55					60	

<210> 1207

<211> 177

<212> PRT

<213> Homo sapiens

<400> 1207

Asn	Ser	Ala	Gln	Gly	Met	Ala	Gly	Ser	Pro	Glu	Leu	Val	Val	Leu	Asp
1				5					10					15	

Pro	Pro	Trp	Asp	Lys	Glu	Leu	Ala	Ala	Gly	Thr	Glu	Ser	Gln	Ala	Leu
			20					25						30	

Val	Ser	Ala	Thr	Pro	Arg	Glu	Asp	Phe	Arg	Val	Arg	Cys	Thr	Ala	Lys
		35					40					45			

Arg	Ala	Val	Thr	Glu	Met	Leu	Gln	Leu	Cys	Gly	Arg	Phe	Val	Gln	Lys
	50					55					60				

Leu	Gly	Asp	Ala	Leu	Pro	Glu	Glu	Ile	Arg	Glu	Pro	Ala	Leu	Arg	Asp
65					70				75					80	

Ala	Gln	Trp	Thr	Phe	Glu	Ser	Ala	Val	Gln	Glu	Asn	Ile	Ser	Ile	Asn
			85						90					95	

Gly	Gln	Ala	Trp	Gln	Glu	Ala	Ser	Asp	Asn	Cys	Phe	Met	Asp	Ser	Asp
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

100	105	110
Ile Lys Val Leu Glu Asp Gln Phe Asp Glu Ile Ile Val Asp Ile Ala		
115	120	125
Thr Lys Arg Lys Gln Tyr Pro Arg Lys Ile Leu Glu Cys Val Ile Lys		
130	135	140
Thr Ile Lys Ala Lys Gln Glu Ile Leu Lys Gln Tyr His Pro Val Val		
145	150	155
His Pro Leu Asp Leu Lys Tyr Asp Pro Asp Pro Val Leu Ala Cys Ile		
165	170	175

Asn

<210> 1208
 <211> 288
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (277)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1208

Pro	His	Arg	Val	Asp	Thr	Arg	Arg	Arg	Asp	Pro	Val	Pro	Arg	Ser	Arg
1				5					10					15	
Ala	Leu	Ser	His	Gly	Thr	Gly	Arg	Val	Gly	Ala	Ala	Ala	Gly	Glu	Ser
			20				25						30		
Ser	Arg	Ala	Pro	Arg	Cys	Trp	Ser	Gly	Ser	Arg	Pro	Arg	Ala	Pro	Ala
		35					40				45				
Asp	Pro	Pro	Arg	His	Arg	Pro	Leu	Leu	Cys	Leu	Ser	Arg	Arg	Gly	Ser
	50					55					60				
Pro	Pro	His	His	Leu	Gly	Cys	Leu	Leu	Gly	Glu	Ser	Phe	Met	Gln	Leu
65					70					75				80	
Gln	Gln	Arg	Leu	Leu	Arg	Glu	Lys	Glu	Ala	Lys	Ile	Arg	Lys	Ala	Leu
			85					90						95	
Asp	Arg	Leu	Arg	Lys	Lys	Arg	His	Leu	Leu	Arg	Arg	Gln	Arg	Thr	Arg
		100						105					110		

Arg Glu Phe Pro Val Ile Ser Val Val Gly Tyr Thr Asn Cys Gly Lys
115 120 125

Thr Thr Leu Ile Lys Ala Leu Thr Gly Asp Ala Ala Ile Gln Pro Arg
130 135 140

Asp Gln Leu Phe Ala Thr Leu Asp Val Thr Ala His Ala Gly Thr Leu
145 150 155 160

Pro Ser Arg Met Thr Val Leu Tyr Val Asp Thr Ile Gly Phe Leu Ser
165 170 175

Gln Leu Pro His Gly Leu Ile Glu Ser Phe Ser Ala Thr Leu Glu Asp
180 185 190

Val Ala His Ser Asp Leu Ile Leu His Val Arg Asp Val Ser His Pro
195 200 205

Glu Ala Glu Leu Gln Lys Cys Ser Val Leu Ser Thr Leu Arg Gly Leu
210 215 220

Gln Leu Pro Ala Pro Leu Leu Asp Ser Met Val Glu Val His Asn Lys
225 230 235 240

Val Asp Leu Val Pro Gly Tyr Ser Pro Thr Glu Pro Asn Val Val Pro
245 250 255

Val Ser Ala Leu Arg Gly His Gly Leu Gln Glu Leu Lys Leu Ser Ser
260 265 270

Met Arg Arg Phe Xaa Arg Arg Arg Gly Asp Arg Ser Ser Leu Ser Val
275 280 285

<210> 1209

<211> 327

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (261)

Gln Pro Gln His Xaa Ala Val Ile Leu Asn Gln Glu Ile Arg Glu Leu
 260 265 270

Glu Arg Gln Gln Glu Gln Leu Val Lys Ile Cys Lys Asn Cys Thr Gly
 275 280 285

Cys Phe Asp Arg His Ile Pro Cys Val Ser Leu Asn Cys Pro Val Leu
 290 295 300

Phe Lys Leu Ser Arg Val Asn Arg Glu Leu Ser Lys Ala Pro Tyr Leu
 305 310 315 320

Arg Gln Leu Leu Asp Gln Phe
 325

<210> 1210

<211> 676

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (374)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1210

Pro Val Leu Arg Thr His Pro Gly Pro Gln Ser Leu Pro Arg Val Pro
 1 5 10 15

Gly Val Pro Cys Gly Gly Leu Leu Glu Pro Leu Ser Arg Ala Glu Val
 20 25 30

Ser Pro Arg Leu Gly Leu Arg Arg Asp Leu Leu Gly Gly Met Ala Pro
 35 40 45

Pro Gly Ser Ser Thr Val Phe Leu Leu Ala Leu Thr Ile Ile Ala Ser
 50 55 60

Thr Trp Ala Leu Thr Pro Thr His Tyr Leu Thr Lys His Asp Val Glu
 65 70 75 80

Arg Leu Lys Ala Ser Leu Asp Arg Pro Phe Thr Asn Leu Glu Ser Ala
 85 90 95

Phe Tyr Ser Ile Val Gly Leu Ser Ser Leu Gly Ala Gln Val Pro Asp
 100 105 110

Ala Lys Lys Ala Cys Thr Tyr Ile Arg Ser Asn Leu Asp Pro Ser Asn
 115 120 125

Val Asp Ser Leu Phe Tyr Ala Ala Gln Ala Ser Gln Ala Leu Ser Gly
130 135 140

Cys Glu Ile Ser Ile Ser Asn Glu Thr Lys Asp Leu Leu Leu Ala Ala
145 150 155 160

Val Ser Glu Asp Ser Ser Val Thr Gln Ile Tyr His Ala Val Ala Ala
165 170 175

Leu Ser Gly Phe Gly Leu Pro Leu Ala Ser Gln Glu Ala Leu Ser Ala
180 185 190

Leu Thr Ala Arg Leu Ser Lys Glu Glu Thr Val Leu Ala Thr Val Gln
195 200 205

Ala Leu Gln Thr Ala Ser His Leu Ser Gln Gln Ala Asp Leu Arg Ser
210 215 220

Ile Val Glu Glu Ile Glu Asp Leu Val Ala Arg Leu Asp Glu Leu Gly
225 230 235 240

Gly Val Tyr Leu Gln Phe Glu Glu Gly Leu Glu Thr Thr Ala Leu Phe
245 250 255

Val Ala Ala Thr Tyr Lys Leu Met Asp His Val Gly Thr Glu Pro Ser
260 265 270

Ile Lys Glu Asp Gln Val Ile Gln Leu Met Asn Ala Ile Phe Ser Lys
275 280 285

Lys Asn Phe Glu Ser Leu Ser Glu Ala Phe Ser Val Ala Ser Ala Ala
290 295 300

Ala Val Leu Ser His Asn Arg Tyr His Val Pro Val Val Val Val Pro
305 310 315 320

Glu Gly Ser Ala Ser Asp Thr His Glu Gln Ala Ile Leu Arg Leu Gln
325 330 335

Val Thr Asn Val Leu Ser Gln Pro Leu Thr Gln Ala Thr Val Lys Leu
340 345 350

Glu His Ala Lys Ser Val Ala Ser Arg Ala Thr Val Leu Gln Lys Thr
355 360 365

Ser Phe Thr Pro Val Xaa Asp Val Phe Glu Leu Asn Phe Met Asn Val
370 375 380

Lys Phe Ser Ser Gly Tyr Tyr Asp Phe Leu Val Glu Val Glu Gly Asp
385 390 395 400